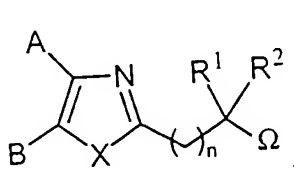
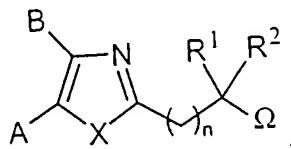
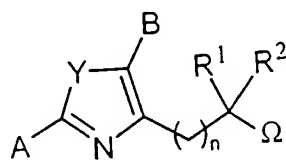
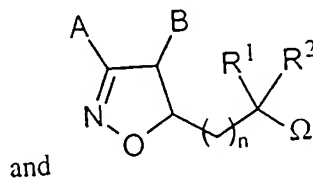


(I)

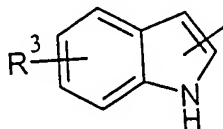
in racemic, enantiomeric form or any combination of these forms, in which Het is a heterocycle with 5 members comprising 2 heteroatoms and such that general formula (I) corresponds exclusively to one of the following sub-formulae:

(I)<sub>1</sub>(I)<sub>2</sub>(I)<sub>3</sub>(I)<sub>4</sub>

in which

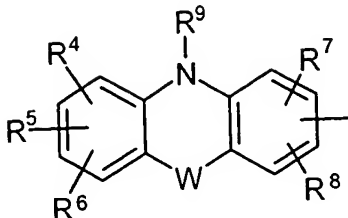
A represents

either a



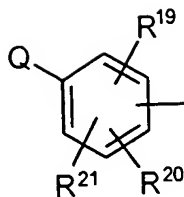
radical in which  $R^3$  represents a hydrogen atom, the OH group or an alkoxy or alkyl radical,

or a



- 5 radical in which  $R^4$ ,  $R^5$ ,  $R^6$ ,  $R^7$  and  $R^8$  represent, independently, a hydrogen atom, a halogen, the OH group or an alkyl, alkoxy, cyano, nitro or  $NR^{10}R^{11}$  radical,  $R^{10}$  and  $R^{11}$  representing, independently, a hydrogen atom, an alkyl radical or a  $-COR^{12}$  group, or  $R^{10}$  and  $R^{11}$  forming together with the nitrogen atom an optionally substituted heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the
- 10 group constituted by the O, N and S atoms,  $R^{12}$  representing a hydrogen atom or an alkyl, alkoxy or  $NR^{13}R^{14}$  radical,  $R^{13}$  and  $R^{14}$  representing, independently, a hydrogen atom or an alkyl radical, or  $R^{13}$  and  $R^{14}$  forming together with the nitrogen atom an optionally substituted heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group
- 15 constituted by the O, N and S atoms,  $R^9$  represents a hydrogen atom, an alkyl radical or a  $-COR^{15}$  group,  $R^{15}$  representing a hydrogen atom or an alkyl, alkoxy or  $NR^{16}R^{17}$  radical,  $R^{16}$  and  $R^{17}$  representing, independently, a hydrogen atom or an alkyl radical, or  $R^{16}$  and  $R^{17}$  forming together with the nitrogen atom an optionally substituted heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group
- 20 constituted by the O, N and S atoms, and W doesn't exist, or represents a bond, or -O-, -S- or  $-NR^{18}-$ , in which  $R^{18}$  represents
- 25 a hydrogen atom or an alkyl radical;

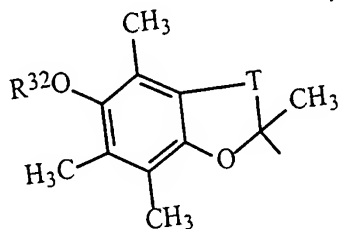
or a



radical in which Q represents H, -OR<sup>22</sup>, -SR<sup>22</sup>, -NR<sup>23</sup>R<sup>24</sup>, a phenyl radical optionally substituted by one or more substituents chosen independently from a halogen atom, an OH, cyano, nitro, alkyl, alkoxy or -NR<sup>10</sup>R<sup>11</sup> radical and a group with two substituents representing together a methylenedioxy or ethylenedioxy radical, or also Q represents a  
 5 -COPh, -SO<sub>2</sub>Ph or -CH<sub>2</sub>Ph radical, said -COPh, -SO<sub>2</sub>Ph or -CH<sub>2</sub>Ph radical being optionally substituted on its aromatic part by one or more of the substituents chosen independently from an alkyl or alkoxy radical and a halogen atom,  
 R<sup>10</sup> and R<sup>11</sup> representing, independently, a hydrogen atom, an alkyl radical or a -COR<sup>12</sup> group, or R<sup>10</sup> and R<sup>11</sup> forming together with the nitrogen atom an optionally substituted  
 10 heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms,  
 R<sup>12</sup> representing a hydrogen atom, an alkyl or alkoxy or NR<sup>13</sup>R<sup>14</sup> radical,  
 R<sup>13</sup> and R<sup>14</sup> representing, independently, a hydrogen atom or an alkyl radical, or R<sup>13</sup>  
 15 and R<sup>14</sup> forming together with the nitrogen atom an optionally substituted heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms,  
 R<sup>22</sup> representing a hydrogen atom, an alkyl radical or an aryl radical optionally  
 20 substituted by one or more substituents chosen from the alkyl, OH, halogen, nitro and alkoxy radicals,  
 R<sup>23</sup> and R<sup>24</sup> representing, independently, a hydrogen atom, an alkyl radical or a -CO-R<sup>25</sup> radical,  
 R<sup>25</sup> representing an alkyl radical,  
 25 and R<sup>19</sup>, R<sup>20</sup> and R<sup>21</sup> represent, independently, a hydrogen, a halogen, the OH or SR<sup>26</sup> group, or an alkyl, cycloalkyl, alkenyl, alkoxy, cyano, nitro, -SO<sub>2</sub>NHR<sup>49</sup>, -CONHR<sup>55</sup>, -S(O)<sub>q</sub>R<sup>56</sup>, -NH(CO)R<sup>57</sup>, -CF<sub>3</sub>, -OCF<sub>3</sub> or NR<sup>27</sup>R<sup>28</sup> radical,  
 R<sup>26</sup> representing a hydrogen atom or an alkyl radical,  
 R<sup>27</sup> and R<sup>28</sup> representing, independently, a hydrogen atom, an alkyl radical or a -COR<sup>29</sup>  
 30 group, or R<sup>27</sup> and R<sup>28</sup> forming together with the nitrogen atom an optionally substituted heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms,

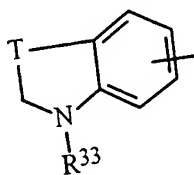
- $R^{49}$  and  $R^{55}$  representing, independently each time that they occur, a hydrogen atom or an alkyl or alkylcarbonyl radical,  
 $q$  representing an integer from 0 to 2,  
 $R^{56}$  and  $R^{57}$  representing, independently each time that they occur, a hydrogen atom or an alkyl or alkoxy radical,  
 $R^{29}$  representing a hydrogen atom, an alkyl, alkoxy or  $-NR^{30}R^{31}$  radical,  
 $R^{30}$  and  $R^{31}$  representing, independently, a hydrogen atom or an alkyl radical, or  $R^{30}$  and  $R^{31}$  forming together with the nitrogen atom an optionally substituted heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms,

or a



radical in which  $R^{32}$  represents a hydrogen atom or an alkyl radical,  
 and T represents a  $-(CH_2)_m-$  radical with  $m = 1$  or  $2$ ,

- 15 or finally a



- radical in which  $R^{33}$  represents a hydrogen atom or an alkyl,  $-\Sigma-NR^{34}R^{35}$  or  $-\Sigma-CHR^{36}R^{37}$  radical,  
 $\Sigma$  representing a linear or branched alkylene radical containing 1 to 6 carbon atoms,  
 $R^{34}$  and  $R^{35}$  representing, independently, a hydrogen atom or an alkyl radical,  
 $R^{36}$  and  $R^{37}$  representing, independently, a hydrogen atom or a carbocyclic or heterocyclic aryl radical optionally substituted by one or more substituents chosen from the alkyl, OH, halogen, nitro, alkoxy or  $NR^{10}R^{11}$  radicals,  
 $R^{10}$  and  $R^{11}$  representing, independently, a hydrogen atom, an alkyl radical or a  $-COR^{12}$  group, or  $R^{10}$  and  $R^{11}$  forming together with the nitrogen atom an optionally substituted

heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms,

$R^{12}$  representing a hydrogen atom or an alkyl, alkoxy or  $NR^{13}R^{14}$  radical,

- 5  $R^{13}$  and  $R^{14}$  representing, independently, a hydrogen atom or an alkyl radical, or  $R^{13}$  and  $R^{14}$  forming together with the nitrogen atom an optionally substituted heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms,

- 10 and T represents a  $-(CH_2)_m-$  radical with  $m = 1$  or  $2$ ,

or also A represents an alkyl, cycloalkyl or cycloalkylalkyl radical;

X represents S or  $NR^{38}$ ,

$R^{38}$  representing a hydrogen atom or an alkyl, cyanoalkyl, aralkyl, alkylcarbonyl or aralkylcarbonyl radical,

- 15 Y represents O or S;

$R^1$  represents a hydrogen atom, an alkyl, aminoalkyl, alkoxyalkyl, cycloalkyl, cycloalkylalkyl, trifluoromethylalkyl, alkenyl, allenyl, allenylalkyl, alkynyl, cyanoalkyl,  $-(CH_2)_g-Z^1R^{39}$ ,  $-(CH_2)_g-COR^{40}$ ,  $-(CH_2)_g-NHCOR^{70}$ , aryl, aralkyl, arylcarbonyl, heteroarylalkyl or aralkylcarbonyl radical, the aryl group of the aryl, aralkyl, arylcarbonyl, heteroarylalkyl or aralkylcarbonyl radicals itself being optionally substituted by one or more substituents chosen from the group constituted by the alkyl, halogen, alkoxy, nitro, cyano, cyanoalkyl, amino, alkylamino, dialkylamino,  $-(CH_2)_k-Z^2R^{39}$  or  $-(CH_2)_k-COR^{40}$  radicals,

$Z^1$  and  $Z^2$  representing a bond,  $-O-$ ,  $-NR^{41}-$  or  $-S-$ ,

- 25  $R^{39}$  and  $R^{41}$  representing, independently each time that they occur, a hydrogen atom or an alkyl, alkenyl, alkynyl or cyanoalkyl radical,

$R^{40}$  representing, independently each time that it occurs, a hydrogen atom or an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl, cyanoalkyl, alkoxy or  $NR^{42}R^{43}$  radical,

- $R^{42}$  and  $R^{43}$  representing independently, independently each time that they occur, a hydrogen atom or an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl or cyanoalkyl radical, and  $R^2$  represents a hydrogen atom, an alkyl, aminoalkyl, alkoxyalkyl, cycloalkyl, cycloalkylalkyl, trifluoromethylalkyl or  $-(CH_2)_g-NHCOR^{71}$  radical, or also one of the aralkyl or heteroarylalkyl radicals optionally substituted on the aryl or heteroaryl group by one or more of the groups chosen independently from the group composed of a

halogen atom and an alkyl, alkoxy, hydroxy, cyano, nitro, amino, alkylamino or dialkylamino radical,

$R^{70}$  and  $R^{71}$  representing independently an alkyl or alkoxy radical;

- 5 or  $R^1$  and  $R^2$ , taken together with the carbon atom which carries them, form a carbocycle with 3 to 7 members;

- 10 B represents a hydrogen atom, an alkyl radical, a  $-(CH_2)_g-Z^3R^{44}$  radical or a carbocyclic aryl radical optionally substituted 1 to 3 times by the radicals chosen from the group composed of a halogen atom, a linear or branched alkyl or alkoxy radical containing 1 to 6 carbon atoms, a hydroxy, cyano or nitro radical, an amino, alkylamino or dialkylamino radical and a carbocyclic aryl radical,

$Z^3$  representing a bond,  $-O-$ ,  $-NR^{45}-$  or  $-S-$ ,

$R^{44}$  and  $R^{45}$  representing, independently, a hydrogen atom or an alkyl, alkenyl, alkynyl, allenyl, allenylalkyl or cyanoalkyl radical;

$\Omega$  represents one of the  $NR^{46}R^{47}$  or  $OR^{48}$  radicals, in which:

- 15  $R^{46}$  and  $R^{47}$  represent, independently, a hydrogen atom or an alkyl, cycloalkyl, cycloalkylalkyl, alkenyl, alkynyl, allenyl, allenylalkyl, cyanoalkyl,  $-(CH_2)_g-Z^4R^{50}$ ,  $-(CH_2)_k-COR^{51}$ ,  $-(CH_2)_k-COOR^{51}$ ,  $-(CH_2)_k-CONHR^{51}$  or  $-SO_2R^{51}$  radical, or also a radical chosen from the aryl, aralkyl, aryloxyalkyl, arylcarbonyl, arylimino, aralkylcarbonyl, heteroaryl and in particular pyridinyl, pyridinylalkyl or
- 20 pyridinylcarbonyl radicals, the aryl or heteroaryl group of said aryl, aralkyl, aryloxyalkyl, arylcarbonyl, arylimino, aralkylcarbonyl, heteroaryl, pyridinylalkyl or pyridinylcarbonyl radicals being optionally substituted by one or more substituents chosen independently from halogen, alkyl, alkoxy, hydroxy, nitro, cyano, cyanoalkyl, amino, alkylamino, dialkylamino,  $Z^5R^{50}$ ,  $-(CH_2)_k-COR^{51}$  and  $-(CH_2)_k-COOR^{51}$ ,

- 25  $Z^4$  and  $Z^5$  representing a bond,  $-O-$ ,  $-NR^{52}-$  or  $-S-$ ,

or  $R^{46}$  and  $R^{47}$  taken together form with the nitrogen atom a non-aromatic heterocycle with 4 to 8 members, the elements of the chain being chosen from a group composed of

$-CH(R^{53})-$ ,  $-NR^{54}-$ ,  $-O-$ ,  $-S-$  and  $-CO-$ ,

- 30  $R^{50}$  and  $R^{52}$ , representing, independently each time that they occur, a hydrogen atom or an alkyl, alkenyl, alkynyl, allenyl, allenylalkyl or cyanoalkyl radical,
- $R^{51}$  representing, independently each time that they occur, a hydrogen atom, one of the cycloalkyl or cycloalkylalkyl radicals in which the cycloalkyl radical has 3 to 7 carbon atoms, a linear or branched alkyl radical containing 1 to 8 carbon atoms, an alkenyl, alkynyl, allenyl, allenylalkyl, cyanoalkyl, alkoxyalkyl or  $NR^{58}R^{59}$  radical, or also an
- 35 aryl or aralkyl radical, said aryl or aralkyl radical being able to be substituted by one or

more of the substituents chosen independently from a halogen atom and an alkyl or alkoxy radical,

$R^{58}$  and  $R^{59}$  representing, independently, a hydrogen atom or an alkyl, alkenyl, alkynyl, allenyl, allenylalkyl or cyanoalkyl radical,

5  $R^{53}$  and  $R^{54}$  representing, independently, a hydrogen atom or a  $-(CH_2)_k-Z^7R^{60}$  or  $-(CH_2)_k-COR^{61}$  radical,  $Z^7$  representing a bond,  $-O-$ ,  $-NR^{62}-$  or  $-S-$ ,

$R^{60}$  and  $R^{62}$  representing, independently, a hydrogen atom or an alkyl, alkenyl, allenyl, allenylalkyl, alkynyl, cyanoalkyl, aryl, aralkyl, arylcarbonyl, aralkylcarbonyl, pyridinyl, pyridinylalkyl or pyridinylcarbonyl radical, the aryl or pyridinyl group of the aryl, aralkyl, arylcarbonyl, aralkylcarbonyl, pyridinyl, pyridinylalkyl or pyridinylcarbonyl radicals being optionally substituted by one or more substituents chosen from the group constituted by the alkyl, halogen, nitro, alkoxy, cyano, cyanoalkyl,  $-(CH_2)_k-Z^8R^{63}$  and  $-(CH_2)_k-COR^{64}$  radicals,

$R^{61}$  representing a hydrogen atom, an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl, cyanoalkyl, alkoxy or  $NR^{65}R^{66}$  radical,

$R^{65}$  and  $R^{66}$  representing, independently, a hydrogen atom or an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl or cyanoalkyl radical,

$Z^8$  representing a bond,  $-O-$ ,  $-NR^{67}-$  or  $-S-$ ,

20  $R^{63}$  and  $R^{67}$  representing, independently, a hydrogen atom, an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl or cyanoalkyl radical,

$R^{64}$  representing a hydrogen atom, an alkyl, allenylalkyl, alkenyl, alkenyl, alkynyl, cyanoalkyl, alkoxy or  $NR^{68}R^{69}$  radical,

$R^{68}$  and  $R^{69}$  representing, independently, a hydrogen atom or an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl or cyanoalkyl radical,

25 and  $R^{48}$  represents a hydrogen atom or an alkyl, alkynyl or cyanoalkyl radical;

$g$  and  $p$ , each time that they occur, being independently integers from 1 to 6, and  $k$  and  $n$ , each time that they occur, being independently integers from 0 to 6;

30 it being understood that when Het is such that the compound of general formula (I) corresponds to general sub-formula (I)<sub>a</sub>, then:

A represents the 4-hydroxy-2,3-di-tert-butyl-phenyl radical;

B,  $R^1$  and  $R^2$  all represent H; and finally

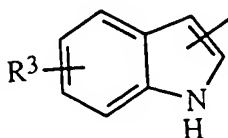
$\Omega$  represents OH;

or a salt thereof sufficient to inhibit monoamine oxydases and lipidic peroxidation and a modulating activity vis-a-vis sodium channels.

Claim 2 (amended) The method of claim 1 wherein

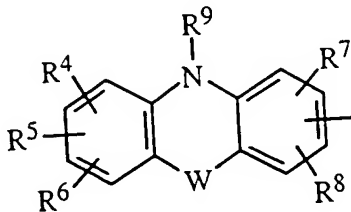
A represents

either a



radical in which R<sup>3</sup> represents a hydrogen atom, the OH group or an alkoxy or alkyl radical,

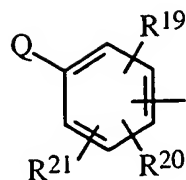
or a



radical in which R<sup>4</sup>, R<sup>5</sup>, R<sup>6</sup>, R<sup>7</sup> and R<sup>8</sup> represent, independently, a hydrogen atom, a halogen, the OH group or an alkyl, alkoxy, cyano, nitro or NR<sup>10</sup>R<sup>11</sup> radical, R<sup>10</sup> and R<sup>11</sup> representing, independently, a hydrogen atom or an alkyl radical, R<sup>9</sup> represents a hydrogen atom or an alkyl radical, and W doesn't exist, or represents a bond, or -O-, -S- or -NR<sup>18</sup>-, in which R<sup>18</sup> represents a hydrogen atom or an alkyl radical;

or a

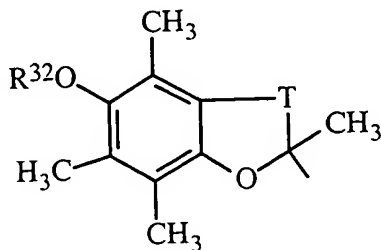




- radical in which Q represents H, -OR<sup>22</sup>, -SR<sup>22</sup>, -NR<sup>23</sup>R<sup>24</sup>, a phenyl radical optionally substituted by one or more of the substituents chosen independently from a halogen atom, an OH, cyano, nitro, alkyl, alkoxy or -NR<sup>10</sup>R<sup>11</sup> radical and a group of two substituents together representing a methylenedioxy or ethylenedioxy radical, or also Q
- 5 represents a -COPh, -OPh, -SPh, -SO<sub>2</sub>Ph or -CH<sub>2</sub>Ph radical, said -COPh, -OPh, -SPh, -SO<sub>2</sub>Ph or -CH<sub>2</sub>Ph radical being optionally substituted on its aromatic part by one or more of the substituents chosen independently from an alkyl or alkoxy radical and a halogen atom,
- R<sup>10</sup> and R<sup>11</sup> representing, independently, a hydrogen atom or an alkyl radical, or R<sup>10</sup> and R<sup>11</sup> forming together with the nitrogen atom an optionally substituted heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms,
- R<sup>22</sup> representing a hydrogen atom, an alkyl radical or an aryl radical optionally
- 15 substituted by one or more substituents chosen from the alkyl, OH, halogen, nitro and alkoxy radicals,
- R<sup>23</sup> and R<sup>24</sup> representing, independently, a hydrogen atom, an alkyl radical or a -CO-R<sup>25</sup> radical,
- R<sup>25</sup> representing an alkyl radical,
- 20 and R<sup>19</sup>, R<sup>20</sup> and R<sup>21</sup> represent, independently, a hydrogen, a halogen, the OH or SR<sup>26</sup> group, or an alkyl, cycloalkyl, alkenyl, alkoxy, cyano, nitro, -SO<sub>2</sub>NHR<sup>49</sup>, -CONHR<sup>55</sup>, -S(O)<sub>q</sub>R<sup>56</sup>, -NH(CO)R<sup>57</sup>, -CF<sub>3</sub>, -OCF<sub>3</sub> or NR<sup>27</sup>R<sup>28</sup> radical,
- R<sup>26</sup> representing a hydrogen atom or an alkyl radical,
- R<sup>27</sup> and R<sup>28</sup> representing, independently, a hydrogen atom, an alkyl radical or a -COR<sup>29</sup>
- 25 group, or R<sup>27</sup> and R<sup>28</sup> forming together with the nitrogen atom an optionally substituted heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms,
- R<sup>49</sup> and R<sup>55</sup> representing, independently each time that they occur, a hydrogen atom or
- 30 an alkyl or alkylcarbonyl radical,
- q representing an integer from 0 to 2,
- R<sup>56</sup> and R<sup>57</sup> representing, independently each time that they occur, a hydrogen atom or an alkyl or alkoxy radical,

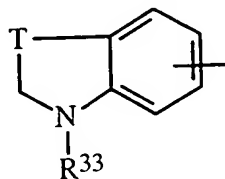
- $R^{29}$  representing a hydrogen atom, an alkyl, alkoxy or  $-NR^{30}R^{31}$  radical,  
 $R^{30}$  and  $R^{31}$  representing, independently, a hydrogen atom or an alkyl radical, or  $R^{30}$   
 and  $R^{31}$  forming together with the nitrogen atom an optionally substituted heterocycle  
 containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already  
 5 present, the additional heteroatoms being chosen independently from the group  
 constituted by the O, N and S atoms,

or a



radical in which  $R^{32}$  represents a hydrogen atom or an alkyl radical,  
 and T represents a  $-(CH_2)_m-$  radical with  $m = 1$  or  $2$ ,

- 10 or finally a



- radical in which  $R^{33}$  represents a hydrogen atom or an alkyl,  $-\Sigma-NR^{34}R^{35}$  or  $-\Sigma-$   
 $CHR^{36}R^{37}$  radical,  
 $\Sigma$  representing a linear or branched alkylene radical containing 1 to 6 carbon atoms,  
 $R^{34}$  and  $R^{35}$  representing, independently, a hydrogen atom or an alkyl radical,  
 15  $R^{36}$  and  $R^{37}$  representing, independently, a hydrogen atom or a carbocyclic or  
 heterocyclic aryl radical optionally substituted by one or more substituents chosen from  
 the alkyl, OH, halogen, nitro, alkoxy or  $NR^{10}R^{11}$  radicals,  
 $R^{10}$  and  $R^{11}$  representing, independently, a hydrogen atom, an alkyl radical, or  $R^{10}$  and  
 $R^{11}$  forming together with the nitrogen atom an optionally substituted heterocycle  
 20 containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already  
 present, the additional heteroatoms being chosen independently from the group  
 constituted by the O, N and S atoms,  
 and T represents a  $-(CH_2)_m-$  radical with  $m = 1$  or  $2$ ,

or also A represents an alkyl, cycloalkyl or cycloalkylalkyl radical;

X represents S or NR<sup>38</sup>,

R<sup>38</sup> representing a hydrogen atom or an alkyl, cyanoalkyl, aralkyl, alkylcarbonyl or aralkylcarbonyl radical,

5 Y represents O or S;

R<sup>1</sup> represents a hydrogen atom, an alkyl, aminoalkyl, alkoxyalkyl, cycloalkyl, cycloalkylalkyl, trifluoromethylalkyl, alkenyl, allenyl, allenylalkyl, alkynyl, cyanoalkyl,  $-(CH_2)_g-Z^1R^{39}$ ,  $-(CH_2)_g-COR^{40}$ ,  $-(CH_2)_g-NHCOR^{70}$ , aryl, aralkyl, arylcarbonyl, heteroarylalkyl or aralkylcarbonyl radical, the aryl group of the aryl, aralkyl, arylcarbonyl, heteroarylalkyl or aralkylcarbonyl radicals being itself optionally substituted by one or more substituents chosen from the group constituted by the alkyl, halogen, alkoxy, nitro, cyano, cyanoalkyl, amino, alkylamino, dialkylamino,  $-(CH_2)_k-Z^2R^{39}$  or  $-(CH_2)_k-COR^{40}$  radicals,

Z<sup>1</sup> and Z<sup>2</sup> representing a bond, -O-, -NR<sup>41</sup>- or -S-,

15 R<sup>39</sup> and R<sup>41</sup> representing, independently each time that they occur, a hydrogen atom or an alkyl, alkenyl, alkynyl or cyanoalkyl radical,

R<sup>40</sup> representing, independently each time that it occurs a hydrogen atom or an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl, cyanoalkyl, alkoxy or NR<sup>42</sup>R<sup>43</sup> radical,

20 R<sup>42</sup> and R<sup>43</sup> representing, independently each time that they occur, a hydrogen atom or an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl or cyanoalkyl radical,

and R<sup>2</sup> represents a hydrogen atom, an alkyl, aminoalkyl, alkoxyalkyl, cycloalkyl, cycloalkylalkyl, trifluoromethylalkyl or  $-(CH_2)_g-NHCOR^{71}$  radical, or also one of the aralkyl or heteroarylalkyl radicals optionally substituted on the aryl or heteroaryl group by one or more of the groups chosen independently from the group composed of a halogen atom and an alkyl, alkoxy, hydroxy, cyano, nitro, amino, alkylamino or dialkylamino radical,

25 R<sup>70</sup> and R<sup>71</sup> representing independently an alkyl or alkoxy radical;

or R<sup>1</sup> and R<sup>2</sup>, taken together with the carbon atom which carries them, form a carbocycle with 3 to 7 members;

30 B represents a hydrogen atom, an alkyl radical, a  $-(CH_2)_g-Z^3R^{44}$  radical or a carbocyclic aryl radical optionally substituted 1 to 3 times by the radicals chosen from the group composed of a halogen atom, a linear or branched alkyl or alkoxy radical containing 1 to 6 carbon atoms, a hydroxy, cyano or nitro radical, an amino, alkylamino or dialkylamino radical and a carbocyclic aryl radical,

$Z^3$  representing a bond, -O-, -NR<sup>45</sup>- or -S-,

R<sup>44</sup> and R<sup>45</sup> representing, independently, a hydrogen atom or an alkyl, alkenyl, alkynyl, allenyl, allenylalkyl or cyanoalkyl radical;

$\Omega$  represents one of the NR<sup>46</sup>R<sup>47</sup> or OR<sup>48</sup> radicals, in which:

- 5 R<sup>46</sup> and R<sup>47</sup> represent, independently, a hydrogen atom or an alkyl, cycloalkyl, cycloalkylalkyl, alkenyl, alkynyl, allenyl, allenylalkyl, cyanoalkyl, -(CH<sub>2</sub>)<sub>g</sub>-Z<sup>4</sup>R<sup>50</sup>, -(CH<sub>2</sub>)<sub>k</sub>-COR<sup>51</sup>, -(CH<sub>2</sub>)<sub>k</sub>-COOR<sup>51</sup>, -(CH<sub>2</sub>)<sub>k</sub>-CONHR<sup>51</sup> or -SO<sub>2</sub>R<sup>51</sup> radical, or also a radical chosen from the aryl, aralkyl, aryloxyalkyl, arylcarbonyl, arylimino, aralkylcarbonyl, heteroaryl and in particular pyridinyl, pyridinylalkyl or  
10 pyridinylcarbonyl radicals, the aryl or heteroaryl group of said aryl, aralkyl, aryloxyalkyl, arylcarbonyl, arylimino, aralkylcarbonyl, heteroaryl, pyridinylalkyl or pyridinylcarbonyl radicals being optionally substituted by one or more of the substituents chosen independently from halogen, alkyl, alkoxy, hydroxy, nitro, cyano, cyanoalkyl, amino, alkylamino, dialkylamino, -(CH<sub>2</sub>)<sub>k</sub>, Z<sup>5</sup>R<sup>50</sup>, -(CH<sub>2</sub>)<sub>k</sub>-COR<sup>51</sup> and  
15 -(CH<sub>2</sub>)<sub>k</sub>-COOR<sup>51</sup>,

Z<sup>4</sup> and Z<sup>5</sup> representing a bond, -O-, -NR<sup>52</sup>- or -S-,

or R<sup>46</sup> and R<sup>47</sup> taken together form with the nitrogen atom a non-aromatic heterocycle with 4 to 8 members, the elements of the chain being chosen from a group composed of -CH(R<sup>53</sup>)-, -NR<sup>54</sup>-, -O-, -S- and -CO-,

- 20 R<sup>50</sup> and R<sup>52</sup>, representing, independently each time that they occur, a hydrogen atom or an alkyl, alkenyl, alkynyl, alkoxy, allenyl, allenylalkyl or cyanoalkyl radical,  
R<sup>51</sup> representing, independently each time that they occur, a hydrogen atom, one of the cycloalkyl or cycloalkylalkyl radicals in which the cycloalkyl radical contains 3 to 7 carbon atoms, a linear or branched alkyl radical containing 1 to 8 carbon atoms, an  
25 alkenyl, alkynyl, allenyl, allenylalkyl, cyanoalkyl, alkoxyalkyl or NR<sup>58</sup>R<sup>59</sup> radical, or also an aryl or aralkyl radical, said aryl or aralkyl radical being able to be substituted by one or more of the substituents chosen independently from a halogen atom and an alkyl or alkoxy radical,

- R<sup>58</sup> and R<sup>59</sup> representing, independently, a hydrogen atom or an alkyl, alkenyl, alkynyl,  
30 allenyl, allenylalkyl or cyanoalkyl radical,

R<sup>53</sup> and R<sup>54</sup> representing, independently, a hydrogen atom or a -(CH<sub>2</sub>)<sub>k</sub>-Z<sup>7</sup>R<sup>60</sup> or -(CH<sub>2</sub>)<sub>k</sub>-COR<sup>61</sup> radical,

Z<sup>7</sup> representing a bond, -O-, -NR<sup>62</sup>- or -S-,

- R<sup>60</sup> and R<sup>62</sup> representing, independently, a hydrogen atom or an alkyl, alkenyl, allenyl,  
35 allenylalkyl, alkynyl, cyanoalkyl, aryl, aralkyl, arylcarbonyl, aralkylcarbonyl, pyridinyl, pyridinylalkyl or pyridinylcarbonyl radical, the aryl or pyridinyl group of the aryl,

aralkyl, arylcarbonyl, aralkylcarbonyl, pyridinyl, pyridinylalkyl or pyridinylcarbonyl radicals being optionally substituted by one or more substituents chosen from the group constituted by the alkyl, halogen, nitro, alkoxy, cyano, cyanoalkyl,  $-(CH_2)_k-Z^8R^{63}$  and  $-(CH_2)_k-COR^{64}$  radicals,

$R^{61}$  representing a hydrogen atom, an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl, cyanoalkyl, alkoxy or  $NR^{65}R^{66}$  radical,

$R^{65}$  and  $R^{66}$  representing, independently, a hydrogen atom or an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl or cyanoalkyl radical,

$Z^8$  representing a bond,  $-O-$ ,  $-NR^{67}-$  or  $-S-$ ,

$R^{63}$  and  $R^{67}$  representing, independently, a hydrogen atom, an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl or cyanoalkyl radical,

$R^{64}$  representing a hydrogen atom, an alkyl, allenylalkyl, alkenyl, alkenyl, alkynyl, cyanoalkyl, alkoxy or  $NR^{68}R^{69}$  radical,

$R^{68}$  and  $R^{69}$  representing, independently, a hydrogen atom or an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl or cyanoalkyl radical,

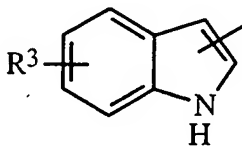
$g$  and  $p$  each time that they occur, being independently integers from 1 to 6, and  $k$  and  $n$ , each time that they occur, being independently integers from 0 to 6;

and  $R^{48}$  represents a hydrogen atom or an alkyl, alkynyl or cyanoalkyl radical.

Claim 3 (amended) The method of claim 1 wherein

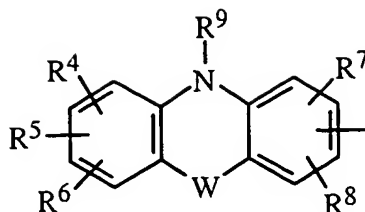
A represents

either a



radical in which  $R^3$  represents a hydrogen atom, the OH group or an alkoxy or alkyl radical,

or a



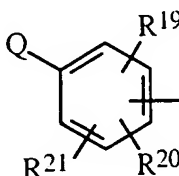
radical in which  $R^4$ ,  $R^5$ ,  $R^6$ ,  $R^7$  and  $R^8$  represent, independently, a hydrogen atom, a halogen, the OH group or an alkyl, alkoxy or  $NR^{10}R^{11}$  radical,

$R^{10}$  and  $R^{11}$  representing, independently, a hydrogen atom or an alkyl radical, or  $R^{10}$  and  $R^{11}$  forming together with the nitrogen atom an optionally substituted heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms,

$R^9$  represents a hydrogen atom or an alkyl radical,

and W doesn't exist, or represents a bond, or -O-, -S- or  $-NR^{18}-$ , in which  $R^{18}$  represents a hydrogen atom or an alkyl radical,

or a



radical in which Q represents  $-OR^{22}$ ,  $-SR^{22}$ ,  $-NR^{23}R^{24}$ , a phenyl radical optionally substituted by one or more the substituents chosen independently from a halogen atom and an OH, cyano, nitro, alkyl, alkoxy or  $-NR^{10}R^{11}$  radical,

$R^{10}$  and  $R^{11}$  representing, independently, a hydrogen atom or an alkyl radical, or  $R^{10}$  and  $R^{11}$  forming together with the nitrogen atom an optionally substituted heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms,

$R^{22}$  representing a hydrogen atom, an alkyl radical or an aryl radical optionally substituted by one or more substituents chosen from the alkyl, OH, halogen, nitro and alkoxy radicals,

$R^{23}$  and  $R^{24}$  representing, independently, a hydrogen atom or an alkyl radical,

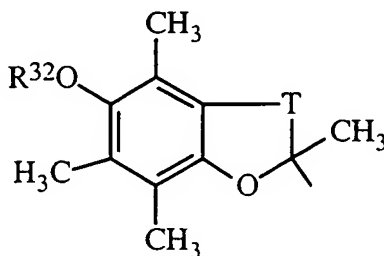
and  $R^{19}$ ,  $R^{20}$  and  $R^{21}$  represent, independently, a hydrogen, a halogen, the OH group or

$SR^{26}$ , or an alkyl, alkenyl, alkoxy or  $NR^{27}R^{28}$  radical,

$R^{26}$  representing a hydrogen atom or an alkyl radical,

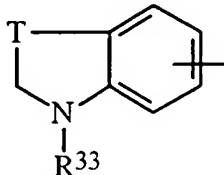
$R^{27}$  and  $R^{28}$  representing, independently, a hydrogen atom or an alkyl radical, or  $R^{27}$  and  $R^{28}$  forming together with the nitrogen atom an optionally substituted heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group  
5 constituted by the O, N and S atoms,

or a



radical in which  $R^{32}$  represents a hydrogen atom or an alkyl radical, and T represents a  $-(CH_2)_m-$  radical with  $m = 1$  or  $2$ ,

or finally a



10 radical in which  $R^{33}$  represents a hydrogen atom or an alkyl,  $-\Sigma-NR^{34}R^{35}$  or  $-\Sigma-CHR^{36}R^{37}$  radical,

$\Sigma$  representing a linear or branched alkylene radical containing 1 to 6 carbon atoms,

$R^{34}$  and  $R^{35}$  representing, independently, a hydrogen atom or an alkyl radical,

$R^{36}$  and  $R^{37}$  representing, independently, a hydrogen atom or a carbocyclic or  
15 heterocyclic aryl radical optionally substituted by one or more substituents chosen from the alkyl, OH, halogen, nitro, alkoxy or  $NR^{10}R^{11}$  radicals,

$R^{10}$  and  $R^{11}$  representing, independently, a hydrogen atom or an alkyl radical, or  $R^{10}$  and  $R^{11}$  forming together with the nitrogen atom an optionally substituted heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already

20 present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms,

and T represents a  $-(CH_2)_m-$  radical with  $m = 1$  or  $2$ ,

X represents S or  $NR^{38}$ ,

$R^{38}$  representing a hydrogen atom or an alkyl or cyanoalkyl radical;

Y represents O or S;

$R^1$  represents a hydrogen atom, an alkyl, cycloalkyl, alkenyl, allenyl, allenylalkyl, alkynyl, cyanoalkyl,  $-(CH_2)_g-Z^1R^{39}$ ,  $-(CH_2)_g-COR^{40}$ , aryl, aralkyl, arylcarbonyl, or  
 5 aralkylcarbonyl radical, the aryl group of the aryl, aralkyl, arylcarbonyl, or aralkylcarbonyl radicals being itself optionally substituted by a substituent or substituents chosen from the group constituted by the alkyl, halogen, alkoxy, nitro, cyano, cyanoalkyl,  $-(CH_2)_k-Z^2R^{39}$  or  $-(CH_2)_k-COR^{40}$  radicals,

$Z^1$  and  $Z^2$  representing a bond, -O-,  $-NR^{41}-$  or -S-,

10  $R^{39}$  and  $R^{41}$  representing, independently each time that they occur, a hydrogen atom or an alkyl, alkenyl, alkynyl or cyanoalkyl radical,

$R^{40}$  representing, independently each time that it occurs, a hydrogen atom or an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl, cyanoalkyl, alkoxy or  $NR^{42}R^{43}$  radical,

$R^{42}$  and  $R^{43}$  representing, independently each time that they occur, a hydrogen atom or  
 15 an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl or cyanoalkyl radical, and  $R^2$  represents a hydrogen atom or an alkyl radical;

B represents a hydrogen atom or a  $-(CH_2)_g-Z^3R^{44}$  radical,

$Z^3$  representing a bond, -O-,  $-NR^{45}-$  or -S-,

$R^{44}$  and  $R^{45}$  representing, independently, a hydrogen atom or an alkyl, alkenyl, alkynyl,  
 20 allenyl, allenylalkyl or cyanoalkyl radical;

$\Omega$  represents one of the  $NR^{46}R^{47}$  or  $OR^{48}$  radicals, in which:

$R^{46}$  and  $R^{47}$  represent, independently, a hydrogen atom or an alkyl, cycloalkyl, alkenyl, alkynyl, allenyl, allenylalkyl, cyanoalkyl,  $-(CH_2)_g-Z^4R^{50}$  or  
 $-(CH_2)_k-COR^{51}$  radical, or also a radical chosen from the aryl, aralkyl, arylcarbonyl, aralkylcarbonyl, pyridinyl, pyridinylalkyl or pyridinylcarbonyl radicals, the aryl or  
 25 heteroaryl group of said aryl, aralkyl, arylcarbonyl, aralkylcarbonyl, pyridinylalkyl or pyridinylcarbonyl radicals being optionally substituted by one or more of the substituents chosen independently from halogen, alkyl, alkoxy, nitro, cyano, cyanoalkyl, amino, alkylamino, dialkylamino,  $-(CH_2)_k-Z^5R^{50}$ ,  $-(CH_2)_k-COR^{51}$  and  
 30  $-(CH_2)_k-COOR^{51}$ ,

$Z^4$  and  $Z^5$  representing a bond, -O-,  $-NR^{52}-$  or -S-,



or R<sup>46</sup> and R<sup>47</sup> taken together form with the nitrogen atom a non-aromatic heterocycle with 4 to 8 members, the elements of the chain being chosen from a group composed of -CH(R<sup>53</sup>)-, -NR<sup>54</sup>-, -O-, -S- and -CO-,

R<sup>50</sup> and R<sup>52</sup>, representing, independently each time that they occur, a hydrogen atom or an alkyl, alkenyl, alkynyl, allenyl, allenylalkyl or cyanoalkyl radical,

R<sup>51</sup> representing, independently each time that they occur, a hydrogen atom, a linear or branched alkyl radical containing 1 to 8 carbon atoms, an alkenyl, alkynyl, allenyl, allenylalkyl, cyanoalkyl or NR<sup>58</sup>R<sup>59</sup> radical,

R<sup>58</sup> and R<sup>59</sup> representing, independently, a hydrogen atom or an alkyl, alkenyl, alkynyl, alkoxy, allenyl, allenylalkyl or cyanoalkyl radical,

R<sup>53</sup> and R<sup>54</sup> representing, independently, a hydrogen atom or a -(CH<sub>2</sub>)<sub>k</sub>-Z<sup>7</sup>R<sup>60</sup> or -(CH<sub>2</sub>)<sub>k</sub>-COR<sup>61</sup> radical,

Z<sup>7</sup> representing a bond, -O-, -NR<sup>62</sup>- or -S-,

R<sup>60</sup> and R<sup>62</sup> representing, independently, a hydrogen atom or an alkyl, alkenyl, allenyl, allenylalkyl, alkynyl, cyanoalkyl, aryl, aralkyl, arylcarbonyl, aralkylcarbonyl, pyridinyl, pyridinylalkyl or pyridinylcarbonyl radical, the aryl or pyridinyl group of the aryl, aralkyl, arylcarbonyl, aralkylcarbonyl, pyridinyl, pyridinylalkyl or pyridinylcarbonyl radicals being optionally substituted by one or more substituents chosen from the group constituted by the alkyl, halogen, nitro, alkoxy, cyano, cyanoalkyl, -(CH<sub>2</sub>)<sub>k</sub>-Z<sup>8</sup>R<sup>63</sup> and -(CH<sub>2</sub>)<sub>k</sub>-COR<sup>64</sup> radicals,

R<sup>61</sup> representing a hydrogen atom, an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl, cyanoalkyl, alkoxy or NR<sup>65</sup>R<sup>66</sup> radical,

R<sup>65</sup> and R<sup>66</sup> representing, independently, a hydrogen atom or an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl or cyanoalkyl radical,

Z<sup>8</sup> representing a bond, -O-, -NR<sup>67</sup>- or -S-,

R<sup>63</sup> and R<sup>67</sup> representing, independently, a hydrogen atom, an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl or cyanoalkyl radical,

R<sup>64</sup> representing a hydrogen atom, an alkyl, allenylalkyl, alkenyl, alkenyl, alkynyl, cyanoalkyl, alkoxy or NR<sup>68</sup>R<sup>69</sup> radical,

R<sup>68</sup> and R<sup>69</sup> representing, independently, a hydrogen atom or an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl or cyanoalkyl radical,

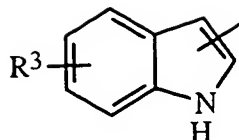
and R<sup>48</sup> represents a hydrogen atom or an alkyl, alkynyl or cyanoalkyl radical;

g and p, each time that they occur, being independently integers from 1 to 6, and k and n, each time that they occur, being independently integers from 0 to 6.

**Claim 4 (amended)** The method of claim 3 wherein

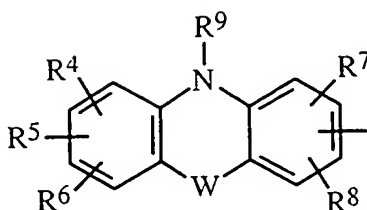
A represents

either a



radical in which  $R^3$  represents a hydrogen atom, the group OH or an alkoxy or alkyl radical,

5 or a



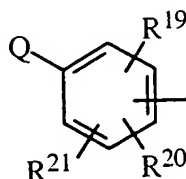
radical in which  $R^4$ ,  $R^5$ ,  $R^6$ ,  $R^7$  and  $R^8$  represent, independently, a hydrogen atom, or an alkyl or alkoxy radical,

$R^9$  represents a hydrogen atom,

and W doesn't exist, or represents a bond, or -O-, -S- or -NR<sup>18</sup>-, in which  $R^{18}$  represents

10 a hydrogen atom or an alkyl radical;

or a



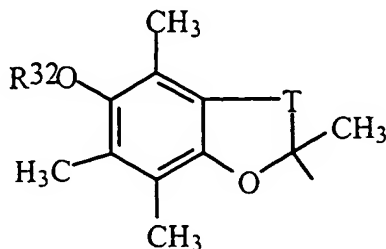
radical in which Q represents -OR<sup>22</sup>, -SR<sup>22</sup> or a phenyl radical substituted by an OH radical and optionally one or more of the additional substituents chosen independently from a halogen atom and an OH, alkyl or alkoxy radical,

15  $R^{22}$  representing a hydrogen atom or an alkyl radical,

and  $R^{19}$ ,  $R^{20}$  and  $R^{21}$  represent, independently, a hydrogen, a halogen, the OH or SR<sup>26</sup> group, or an alkyl or alkoxy radical,

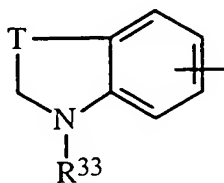
$R^{26}$  representing a hydrogen atom or an alkyl radical,

or a



radical in which  $R^{32}$  represents a hydrogen atom or an alkyl radical,  
and T represents a  $-(CH_2)_m-$  radical with  $m = 1$  or  $2$ ,

or finally a



radical in which  $R^{33}$  represents a hydrogen atom or an alkyl,  $-\Sigma-NR^{34}R^{35}$  or  $-\Sigma-$   
5  $CHR^{36}R^{37}$  radical,

$\Sigma$  representing a linear or branched alkylene radical containing 1 to 6 carbon atoms,

$R^{34}$  and  $R^{35}$  representing, independently, a hydrogen atom or an alkyl radical,

$R^{36}$  and  $R^{37}$  representing, independently, a hydrogen atom or a carbocyclic or  
heterocyclic aryl radical optionally substituted by one or more substituents chosen from  
10 the alkyl, OH, halogen, nitro or alkoxy radicals,  
and T represents a  $-(CH_2)_m-$  radical with  $m = 1$  or  $2$ ,

X represents S or  $NR^{38}$ ,

$R^{38}$  representing a hydrogen atom or an alkyl or cyanoalkyl radical,

Y represents O or S;

15  $R^1$  represents a hydrogen atom, an alkyl, cycloalkyl, alkenyl, allenyl, allenylalkyl,  
alkynyl, cyanoalkyl,  $-(CH_2)_g-Z^1R^{39}$ ,  $-(CH_2)_g-COR^{40}$ , aryl, aralkyl, arylcarbonyl, or  
aralkylcarbonyl radical, the aryl group of the aryl, aralkyl, arylcarbonyl, or  
aralkylcarbonyl radicals being itself optionally substituted by one or more substituents  
chosen from the group constituted by the alkyl, halogen, alkoxy, nitro, cyano,  
20 cyanoalkyl,  $-(CH_2)_k-Z^2R^{39}$  or  $-(CH_2)_k-COR^{40}$  radicals,

$Z^1$  and  $Z^2$  representing a bond,  $-O-$ ,  $-NR^{41}-$  or  $-S-$ ,

- $R^{39}$  and  $R^{41}$  representing, independently each time that they occur, a hydrogen atom or an alkyl, alkenyl, alkynyl or cyanoalkyl radical,
- $R^{40}$  representing, independently to each time that it occurs, a hydrogen atom or an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl, cyanoalkyl, alkoxy or  $NR^{42}R^{43}$  radical,
- 5  $R^{42}$  and  $R^{43}$  representing, independently each time that they occur, a hydrogen atom or an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl or cyanoalkyl radical,
- and  $R^2$  represents a hydrogen atom or an alkyl radical

B represents a hydrogen atom or a  $-(CH_2)_g-Z^3R^{44}$  radical,

$Z^3$  representing a bond, -O-,  $-NR^{45}-$  or -S-,

- 10  $R^{44}$  and  $R^{45}$  representing, independently, a hydrogen atom or an alkyl, alkenyl, alkynyl, allenyl, allenylalkyl or cyanoalkyl radical;

$\Omega$  represents one of the  $NR^{46}R^{47}$  or  $OR^{48}$  radicals, in which:

- $R^{46}$  and  $R^{47}$  represent, independently, a hydrogen atom or an alkyl, cycloalkyl, alkenyl, alkynyl, allenyl, allenylalkyl, cyanoalkyl,  $-(CH_2)_g-Z^4R^{50}$  or  $-(CH_2)_k-COR^{51}$  radical. or
- 15 also a radical chosen from the aryl, aralkyl, arylcarbonyl, aralkylcarbonyl, pyridinyl, pyridinylalkyl or pyridinylcarbonyl radicals, the aryl or heteroaryl group of said aryl, aralkyl, arylcarbonyl, aralkylcarbonyl, pyridinylalkyl or pyridinylcarbonyl radicals being optionally substituted by one or more of the substituents chosen independently from halogen, alkyl, alkoxy, nitro, cyano, cyanoalkyl, amino, alkylamino, dialkylamino,
- 20  $-(CH_2)_k-Z^5R^{50}$ ,  $-(CH_2)_k-COR^{51}$  and  $-(CH_2)_k-COOR^{51}$ ,
- $Z^4$  and  $Z^5$  representing a bond, -O-,  $-NR^{52}-$  or -S-,
- or  $R^{46}$  and  $R^{47}$  taken together form with the nitrogen atom a non-aromatic heterocycle with 4 to 8 members, the elements of the chain being chosen from a group comprising  $-CH(R^{53})-$ ,  $-NR^{54}-$ , -O-, -S- and -CO-,

- 25  $R^{50}$  and  $R^{52}$ , representing, independently each time that they occur, a hydrogen atom or an alkyl, alkenyl, alkynyl, allenyl, allenylalkyl or cyanoalkyl radical,

$R^{51}$  representing, independently each time that they occur, a hydrogen atom, a linear or branched alkyl radical containing 1 to 8 carbon atoms, an alkenyl, alkynyl, alkoxy, allenyl, allenylalkyl, cyanoalkyl or  $NR^{58}R^{59}$  radical,

- 30  $R^{58}$  and  $R^{59}$  representing, independently, a hydrogen atom or an alkyl, alkenyl, alkynyl, allenyl, allenylalkyl or cyanoalkyl radical,

$R^{53}$  and  $R^{54}$  representing, independently, a hydrogen atom or a  $-(CH_2)_k-Z^7R^{60}$  or  $-(CH_2)_k-COR^{61}$  radical,

$Z^7$  representing a bond, -O-,  $-NR^{62}-$  or -S-,

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cont

R<sup>60</sup> and R<sup>62</sup> representing, independently, a hydrogen atom or an alkyl, alkenyl, allenyl, allenylalkyl, alkynyl, cyanoalkyl, aryl, aralkyl, arylcarbonyl, aralkylcarbonyl, pyridinyl, pyridinylalkyl or pyridinylcarbonyl radical, the aryl or pyridinyl group of the aryl, aralkyl, arylcarbonyl, aralkylcarbonyl, pyridinyl, pyridinylalkyl or pyridinylcarbonyl radicals being optionally substituted by one or more substituents chosen from the group constituted by the alkyl, halogen, nitro, alkoxy, cyano, cyanoalkyl,  $-(CH_2)_k-Z^8R^{63}$  and  $-(CH_2)_k-COR^{64}$  radicals,

R<sup>61</sup> representing a hydrogen atom, an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl, cyanoalkyl, alkoxy or NR<sup>65</sup>R<sup>66</sup> radical,

R<sup>65</sup> and R<sup>66</sup> representing, independently, a hydrogen atom or an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl or cyanoalkyl radical,

Z<sup>8</sup> representing a bond, -O-, -NR<sup>67</sup>- or -S-,

R<sup>63</sup> and R<sup>67</sup> representing, independently, a hydrogen atom, an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl or cyanoalkyl radical,

R<sup>64</sup> representing a hydrogen atom, an alkyl, allenylalkyl, alkenyl, alkenyl, alkynyl, cyanoalkyl, alkoxy or NR<sup>68</sup>R<sup>69</sup> radical,

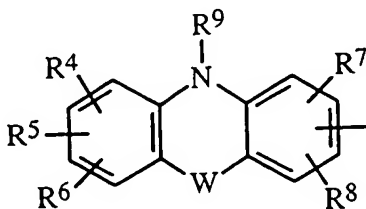
R<sup>68</sup> and R<sup>69</sup> representing, independently, a hydrogen atom or an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl or cyanoalkyl radical,

and R<sup>48</sup> represents a hydrogen atom or an alkyl, alkynyl or cyanoalkyl radical;

g and p, each time that they occur, being independently integers from 1 to 6, and k and n, each time that they occur, being independently integers from 0 to 6.

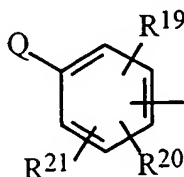
Claim 5 (amended) The method of claim 4 wherein

- the compound corresponds to sub-formula (I)<sub>1</sub> or (I)<sub>2</sub> in which X is S, the compound corresponds to formula (I)<sub>3</sub> in which Y is O or the compound corresponds to sub-formula (I)<sub>4</sub>;
- A represents the radical
  - either the



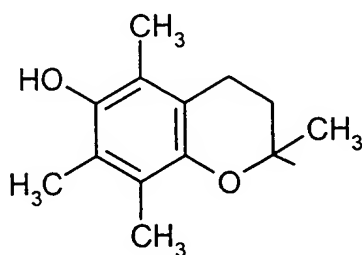
radical in which  $R^4$ ,  $R^5$ ,  $R^6$ ,  $R^7$  and  $R^8$  represent, independently, a hydrogen atom, or an alkyl or alkoxy radical,  
 $R^9$  represents a hydrogen atom,  
 and W doesn't exist, or represents a bond, -O- or -S-,

5 - or the



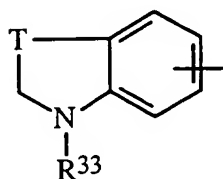
radical in which Q represents OH, two of the  $R^{19}$ ,  $R^{20}$  and  $R^{21}$  radicals represent the radicals chosen independently from the alkyl, alkoxy, alkylthio, amino, alkylamino or dialkylamino radicals and the third represents a radical chosen from a hydrogen atom and the alkyl, alkoxy, alkylthio, amino, alkylamino or dialkylamino radicals,  
 or in which Q represents a phenyl radical substituted by an OH radical and one or more radicals chosen independently from a halogen atom and an OH, alkyl, alkoxy or -NR<sup>10</sup>R<sup>11</sup> radical in which  $R^{10}$  and  $R^{11}$  independently represent a hydrogen atom or an alkyl radical,

- or also the



15 radical

- or finally the

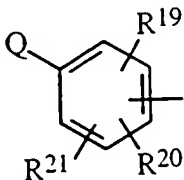


radical in which T represents -CH<sub>2</sub>- and R<sup>33</sup> represents a hydrogen atom, an aminoalkyl, alkylaminoalkyl or dialkylaminoalkyl radical;

- B represents H;
- n represents 0 or 1;
- R<sup>1</sup> and R<sup>2</sup> both represent H;
- $\Omega$  preferably represents:  
 an NR<sup>46</sup>R<sup>47</sup> radical such that NR<sup>46</sup>R<sup>47</sup> represents the piperidinyl or N-piperazinyl radical optionally N-substituted by an alkyl radical or in which one of R<sup>46</sup> and R<sup>47</sup> represents H or a hydroxyalkyl, alkynyl or cyanoalkyl radical and the other represents H or an alkyl radical,  
 - or the OR<sup>48</sup> radical in which R<sup>48</sup> represents a hydrogen atom or an alkyl, alkynyl or cyanoalkyl radical.

Q2  
cont.

Claim 6 (amended) The method of claim 5 wherein A is



in which Q is OH, two of the R<sup>19</sup>, R<sup>20</sup> and R<sup>21</sup> are alkyl and the third is H,  
 or in which Q is phenyl substituted by OH and at least one alkyl.

Claim 7 (amended) The method of claim 3 wherein the compound is selected from the group consisting of

- 4-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-N-methyl-2-thiazolemethanamine;
- 2,6-di(tert-butyl)-4-(2-([methyl(2-propynyl)amino]methyl)-1,3-thiazol-4-yl)phenol;
- 2-[(4-[3,5-di(tert-butyl)-4-hydroxyphenyl]-1,3-thiazol-2-yl)methyl](methyl)amino]-acetonitrile;
- 5-[(4-[3,5-di(tert-butyl)-4-hydroxyphenyl]-1,3-thiazol-2-yl)methyl](methyl)amino]-pentanenitrile;
- 6-[(4-[3,5-di(tert-butyl)-4-hydroxyphenyl]-1,3-thiazol-2-yl)methyl](methyl)amino]-hexanenitrile;

- 2,6-di(tert-butyl)-4-(2-{[(2-hydroxyethyl)(methyl)amino]methyl}-1,3-thiazol-4-yl)phenol;
- 4-(2-{[benzyl(methyl)amino]methyl}-1,3-thiazol-4-yl)-2,6-di(tert-butyl)phenol;
- 2,6-di(tert-butyl)-4-{2-[(methyl-4-nitroanilino)methyl]-1,3-thiazol-4-yl}phenol;
- 5 - 2,6-di(tert-butyl)-4-(2-{[4-(dimethylamino)(methyl)anilino]methyl}-1,3-thiazol-4-yl)phenol;
- benzyl {4-[3,5-di(tert-butyl)-4-hydroxyphenyl]-1,3-thiazol-2-yl} methylcarbamate;
- 4-[2-(aminomethyl)-1,3-thiazol-4-yl]-2,6-di(tert-butyl)phenol;
- 2,6-di(tert-butyl)-4-(2-{[methyl(4-nitrobenzyl)amino]methyl}-1,3-thiazol-4-yl)phenol;
- 10 - 4-(2-{[(4-aminobenzyl)(methyl)amino]methyl}-1,3-thiazol-4-yl)-2,6-di(tert-butyl)-phenol;
- 2,6-di(tert-butyl)-4-(2-{[(4-nitrobenzyl)amino]methyl}-1,3-thiazol-4-yl)phenol;
- 4-(2-{[(4-aminobenzyl)amino]methyl}-1,3-thiazol-4-yl)-2,6-di(tert-butyl)phenol;
- 4-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-N-methyl-N-(4-aminophenyl)-
- 15 2-thiazolemethanamine;
- 4-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-N-methyl-1*H*-imidazole-2-methanamine;
- 4-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-N-methyl-N-(4-nitrophenyl)-1*H*-imidazole-2-methanamine;
- 20 - 4-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-N-methyl-N-(4-aminophenyl)-1*H*-imidazole-2-methanamine;
- 4-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-N-methyl-N-(4-nitrobenzoyl)-1*H*-imidazole-2-methanamine;
- 4-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-N-methyl-N-(4-aminobenzoyl)-
- 25 1*H*-imidazole-2-methanamine;
- 3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-4,5-dihydro-5-isoxazoleethanol;
- 2-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-4-oxazoleethanol;
- 4-[[4-(3,5-ditert-butyl-4-hydroxyphenyl)-1,3-thiazol-2-yl]methyl](methyl)amino]-butanenitrile;
- 30 - 2,6-ditert-butyl-4-(2-{[(3-nitrobenzyl)amino]methyl}-1,3-thiazol-4-yl)phenol;
- 2,6-ditert-butyl-4-(4-{2-[methyl(2-propynyl)amino]ethyl}-1,3-oxazol-2-yl)phenol;



- [{2-[2-(3,5-ditert-butyl-4-hydroxyphenyl)-1,3-oxazol-4-yl]ethyl}(methylamino)aceto-nitrile;
  - 3-[{2-[2-(3,5-ditert-butyl-4-hydroxyphenyl)-1,3-oxazol-4-yl]ethyl}(methylamino)-propanenitrile;
  - 2,6-ditert-butyl-4-{4-[2-(1-piperazinyl)ethyl]-1,3-oxazol-2-yl}phenol;
  - N-methyl[4-(10H-phenothiazin-2-yl)-1,3-thiazol-2-yl]methanamine;
  - (R,S)-4-[2-(1-aminoheptyl)-1H-imidazol-4-yl]-2,6-di(*tert*-butyl)-phenol;
  - 4-{2-[(*S*)-amino(cyclohexyl)methyl]-1H-imidazol-4-yl}-2,6-ditert-butylphenol;
  - 2,6-ditert-butyl-4-[4-(hydroxymethyl)-1,3-thiazol-2-yl]phenol;
  - *meta*-[4-(2,3-dihydro-1H-indol-6-yl)-1,3-thiazol-2-yl]-N-methylmethanamine;
  - 2,5,7,8-tetramethyl-2-{2-[(methylamino)methyl]-1,3-thiazol-4-yl}-6-chromanol;
  - N-{[4-(9H-carbazol-2-yl)-1,3-thiazol-2-yl]methyl}-N-methylamine;
  - 3,5-ditert-butyl-4'-{2-[(methylamino)methyl]-1,3-thiazol-4-yl}-1,1'-biphenyl-4-ol;
  - cyclohexylmethyl 2-[4-(3,5-ditert-butyl-4-hydroxyphenyl)-1H-imidazol-2-yl]ethylcarbamate;
  - butyl 2-[4-(3,5-ditert-butyl-4-hydroxyphenyl)-1H-imidazol-2-yl]ethylcarbamate;
  - 2,6-dimethoxy-4-{2-[(methylamino)methyl]-1,3-thiazol-4-yl}phenol;
  - 2,6-diisopropyl-4-{2-[(methylamino)methyl]-1,3-thiazol-4-yl}phenol;
  - 4-{2-[(methylamino)methyl]-1,3-thiazol-4-yl}phenol;
  - 2,6-ditert-butyl-4-[2-(hydroxymethyl)-1,3-thiazol-4-yl]phenol;
  - N-{[4-(4-anilinophenyl)-1,3-thiazol-2-yl]methyl}-N-methylamine;
  - 2,6-ditert-butyl-4-{2-[(dimethylamino)methyl]-1,3-thiazol-4-yl}phenol;
  - 2,6-ditert-butyl-4-{4-[(methylamino)methyl]-1,3-thiazol-2-yl}phenol;
  - 2,6-ditert-butyl-4-[2-(piperidin-1-ylmethyl)-1,3-thiazol-4-yl]phenol;
  - 2,6-ditert-butyl-4-{2-[(4-methylpiperazin-1-yl)methyl]-1,3-thiazol-4-yl}phenol;
  - 2,6-ditert-butyl-4-[2-(piperazin-1-ylmethyl)-1,3-thiazol-4-yl]phenol;
- or its pharmaceutically acceptable salt.

Claim 8 (The method of claim 7 wherein the compound is selected from the group consisting of

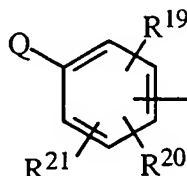
- 4-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-N-methyl-2-thiazolemethanamine;
- 2-[(4-[3,5-di(tert-butyl)-4-hydroxyphenyl]-1,3-thiazol-2-yl)methyl](methyl)amino]-acetonitrile;
- 2,6-di(tert-butyl)-4-(2-[(2-hydroxyethyl)(methyl)amino]methyl)-1,3-thiazol-4-yl)phenol;
- 3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-4,5-dihydro-5-isoxazoleethanol;
- 4-[(4-(3,5-ditert-butyl-4-hydroxyphenyl)-1,3-thiazol-2-yl)methyl](methyl)amino]-butanenitrile;
- 2,6-ditert-butyl-4-(4-{2-[methyl(2-propynyl)amino]ethyl}-1,3-oxazol-2-yl)phenol;
- [{2-[2-(3,5-ditert-butyl-4-hydroxyphenyl)-1,3-oxazol-4-yl]ethyl}(methyl)amino]aceto-nitrile;
- 3-[(2-[2-(3,5-ditert-butyl-4-hydroxyphenyl)-1,3-oxazol-4-yl]ethyl)(methyl)amino]-propanenitrile;
- 2,6-ditert-butyl-4-{4-[2-(1-piperazinyl)ethyl]-1,3-oxazol-2-yl}phenol;
- 3,5-ditert-butyl-4'-{2-[(methylamino)methyl]-1,3-thiazol-4-yl}-1,1'-biphenyl-4-ol;
- 2,6-diisopropyl-4-{2-[(methylamino)methyl]-1,3-thiazol-4-yl}phenol;

or a pharmaceutically acceptable salt thereof.

Claim 9 (amended) The method of claim 1 wherein the compounds correspond to formulae (I)<sub>1</sub> and (I)<sub>2</sub> and

A represents

either a

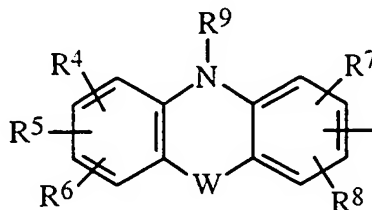


radical in which Q represents H, -OR<sup>22</sup>, -SR<sup>22</sup> or a phenyl radical optionally substituted by one or more of the substituents chosen independently from a halogen atom, an alkyl or alkoxy radical and a group of two substituents together representing a

methylenedioxy or ethylenedioxy radical, or Q represents a -COPh, -OPh, -SPh, -SO<sub>2</sub>Ph or -CH<sub>2</sub>Ph radical, said -COPh, -OPh, -SPh, -SO<sub>2</sub>Ph or -CH<sub>2</sub>Ph radical being optionally substituted on its aromatic part by one or more of the substituents chosen independently from an alkyl or alkoxy radical and a halogen atom,

- 5 R<sup>22</sup> representing a hydrogen atom or an alkyl radical,  
 and R<sup>19</sup>, R<sup>20</sup> and R<sup>21</sup> represent, independently, a hydrogen, a halogen, the OH group or an alkyl, alkoxy, cyano, nitro, cycloalkyl, -SO<sub>2</sub>NHR<sup>49</sup>, -CONHR<sup>55</sup>, -S(O)<sub>q</sub>R<sup>56</sup>, -NH(CO)R<sup>57</sup>, -CF<sub>3</sub>, -OCF<sub>3</sub> or NR<sup>27</sup>R<sup>28</sup> radical,  
 R<sup>27</sup> and R<sup>28</sup> representing, independently, a hydrogen atom or an alkyl radical or  
 10 R<sup>27</sup> and R<sup>28</sup> forming together with the nitrogen atom which carries them a heterocycle with 5 or 6 members chosen from -CH<sub>2</sub>-, -NH- et -O-,  
 R<sup>49</sup> and R<sup>55</sup> representing, independently each time that they occur, a hydrogen atom or an alkyl or alkylcarbonyl radical,  
 q representing an integer from 0 to 2,  
 15 R<sup>56</sup> and R<sup>57</sup> representing, independently each time that they occur, a hydrogen atom or an alkyl or alkoxy radical,

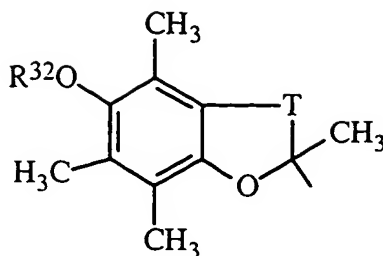
or a



radical in which R<sup>4</sup>, R<sup>5</sup>, R<sup>6</sup>, R<sup>7</sup> and R<sup>8</sup> represent, independently, a hydrogen atom, a halogen, the OH group or an alkyl, alkoxy or NR<sup>10</sup>R<sup>11</sup> radical,

- 20 R<sup>10</sup> and R<sup>11</sup> representing, independently, a hydrogen atom or an alkyl radical, or R<sup>10</sup> and R<sup>11</sup> forming together with the nitrogen atom an optionally substituted heterocycle comprising 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms, said heterocycle being able to be for example  
 25 azetidine, pyrrolidine, piperidine, piperazine, morpholine or thiomorpholine,  
 R<sup>9</sup> represents a hydrogen atom or an alkyl radical,  
 and W does not exist, or represents a bond, or -O-, -S- or -NR<sup>18</sup>-, in which R<sup>18</sup> represents a hydrogen atom or an alkyl radical;

or a



radical in which  $R^{32}$  represents a hydrogen atom or an alkyl radical,  
and T represents a  $-(CH_2)_m-$  radical with  $m = 1$  or  $2$ ,

or also A represents an alkyl, cycloalkyl or cycloalkylalkyl radical;

B represents a hydrogen atom, a linear or branched alkyl radical containing 1 to 6 carbon atoms or a carbocyclic aryl radical optionally substituted 1 to 3 times by the radicals chosen from the group composed of a halogen atom, an alkyl or alkoxy radical, a hydroxy, cyano or nitro radical, an amino, alkylamino or dialkylamino radical and a carbocyclic aryl radical;

X represents  $NR^{38}$  or S,

$R^{38}$  representing a hydrogen atom or an alkyl, aralkyl, alkylcarbonyl or aralkylcarbonyl radical,

$R^1$  and  $R^2$  represent, independently, a hydrogen atom, an alkyl, cycloalkyl, cycloalkylalkyl, alkoxyalkyl, aminoalkyl,  $-(CH_2)_6-NH-CO-R^{70}$  radical or an aralkyl or heteroarylalkyl radical optionally substituted on the aryl or heteroaryl group by one or more groups chosen from the group composed of a halogen atom, an alkyl or alkoxy radical, a hydroxy, cyano or nitro radical and an amino, alkylamino or dialkylamino radical,

$R^{70}$  representing, independently each time that it occurs, an alkyl or alkoxy radical;

$R^1$  and  $R^2$  taken together can optionally form with the carbon atom which carries them a carbocycle with 3 to 7 members;

$\Omega$  represents OH or an  $NR^{46}R^{47}$  radical, in which:

$R^{46}$  and  $R^{47}$  represent, independently, a hydrogen atom or an alkyl, cycloalkyl or cycloalkylalkyl,  $-CO-NH-R^{51}$ ,  $-CO-O-R^{51}$  or  $-SO_2-R^{72}$  radical or one of the heteroaryl, aralkyl, aryloxyalkyl or arylimino radicals optionally substituted on the heteroaryl or aryl group by one or more groups chosen from the group composed of a halogen atom, a linear or branched alkyl or alkoxy radical containing 1 to 6 carbon atoms, a hydroxy, cyano or nitro radical, an amino, alkylamino or dialkylamino radical,

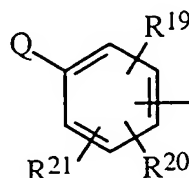
$R^{51}$  representing a hydrogen atom, one of the cycloalkyl or cycloalkylalkyl radicals in which the cycloalkyl radical contains 3 to 7 carbon atoms, a linear or branched alkyl radical containing 1 to 8 carbon atoms, an alkoxyalkyl radical or also an aryl or aralkyl radical, said aryl or aralkyl radical being able to be substituted by one or more of the substituents chosen independently from a halogen atom and an alkyl or alkoxy radical, and  $R^{72}$  representing an alkyl radical, or one of the phenyl or aralkyl radicals optionally substituted on the aromatic ring by one or more of the radicals chosen from a halogen atom, an alkyl or alkoxy radical;

g represents an integer from 1 to 6; and finally

n represents an integer from 0 to 6.

**Claim 10 (amended)** The method of claim 9 wherein

A represents:



radical in which Q represents a hydrogen atom, a halogen atom, the OH group, an alkoxy, alkylthio or phenyl radical optionally substituted by one or more radicals chosen from a halogen atom and an alkoxy radical,

and  $R^{19}$ ,  $R^{20}$  and  $R^{21}$  represent, independently, a hydrogen atom, a halogen atom, the OH group or an alkyl, alkoxy, cyano, nitro, cycloalkyl,  $-\text{SO}_2\text{NHR}^{49}$ ,  $-\text{CONHR}^{55}$ ,  $-\text{S(O)}_q\text{R}^{56}$ ,  $-\text{NH(CO)R}^{57}$ ,  $-\text{CF}_3$ ,  $-\text{OCF}_3$  or  $\text{NR}^{27}\text{R}^{28}$  radical,

$R^{27}$  and  $R^{28}$  representing, independently, a hydrogen atom or an alkyl radical or  $R^{27}$  and  $R^{28}$  forming together with the nitrogen atom which carries them a heterocycle with 5 to 6 members chosen from  $-\text{CH}_2-$ ,  $-\text{NH}-$  and  $-\text{O}-$ ,

$R^{49}$  and  $R^{55}$  representing, independently each time that they occur, a hydrogen atom or an alkyl or alkylcarbonyl radical,

q representing an integer from 0 to 2,

$R^{56}$  and  $R^{57}$  representing, independently each time that they occur, a hydrogen atom or an alkyl or alkoxy radical;

- or an alkyl, cycloalkyl or cycloalkylalkyl radical;

B represents H, alkyl, or phenyl;

n represents 0 or 1;

R<sup>1</sup> and R<sup>2</sup> are such that:

- R<sup>1</sup> and R<sup>2</sup> represent independently H, an alkyl, cycloalkyl, cycloalkylalkyl radical, or also an aralkyl or heteroarylalkyl radical optionally substituted on the aryl or heteroaryl group by one or more groups chosen from the group composed of a halogen atom, an alkyl or alkoxy radical,

- or R<sup>1</sup> and R<sup>2</sup> taken together form with the carbon atom which carries them a carbocycle with 3 to 7 members;

and  $\Omega$  represents an OH radical or an NR<sup>46</sup>R<sup>47</sup> radical in which R<sup>46</sup> represents H, an alkyl radical, a cycloalkyl radical, an alkylcarbonyl radical, an alkoxy carbonyl radical, a (cycloalkyl)oxycarbonyl radical, a cycloalkylalkoxy carbonyl radical, an alkylaminocarbonyl radical or also a benzyl radical optionally substituted by an alkoxy radical, and R<sup>47</sup> represents H;

Claim 11 (amended) The method of claim 9 wherein  $\Omega$  is -NR<sup>46</sup>R<sup>47</sup>.

Claim 12 (amended) The method of claim 9 wherein X is NH-.

Claim 13 (amended) The method of claim 9 wherein the compound is selected from the group consisting of

- 4-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-N-methyl-2-thiazolemethanamine;
- 2-[(4-[3,5-di(tert-butyl)-4-hydroxyphenyl]-1,3-thiazol-2-yl)methyl](methyl)amino]-acetonitrile;
- 2,6-di(tert-butyl)-4-(2-[(2-hydroxyethyl)(methyl)amino]methyl)-1,3-thiazol-4-yl)phenol;
- 4-(2-[(benzyl(methyl)amino)methyl]-1,3-thiazol-4-yl)-2,6-di(tert-butyl)phenol;
- 2,6-di(tert-butyl)-4-(2-[(4-(dimethylamino)(methyl)anilino)methyl]-1,3-thiazol-4-yl)phenol;
- benzyl {4-[3,5-di(tert-butyl)-4-hydroxyphenyl]-1,3-thiazol-2-yl} methylcarbamate;
- 4-[2-(aminomethyl)-1,3-thiazol-4-yl]-2,6-di(tert-butyl)phenol;

- 4-(2-[[4-(aminobenzyl)(methyl)amino]methyl]-1,3-thiazol-4-yl)-2,6-di(*tert*-butyl)phenol;
- 4-(2-[[4-(aminobenzyl)amino]methyl]-1,3-thiazol-4-yl)-2,6-di(*tert*-butyl)phenol;
- 4-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-N-methyl-N-(4-aminophenyl)-
- 5 2-thiazolemethanamine;
- 4-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-N-methyl-1*H*-imidazole-2-methanamine;
- 4-[3,5-bis-(1,1-dimethylethyl)-4-hydroxyphenyl]-N-methyl-N-(4-nitrobenzoyl)-1*H*-imidazole-2-methanamine;
- 10 - 4-[[4-(3,5-ditert-butyl-4-hydroxyphenyl)-1,3-thiazol-2-yl]methyl}(methyl)amino]-butanenitrile;
- 2,6-ditert-butyl-4-(4-{2-[methyl(2-propynyl)amino]ethyl}-1,3-oxazol-2-yl)phenol;
- 3-[[2-[2-(3,5-ditert-butyl-4-hydroxyphenyl)-1,3-oxazol-4-yl]ethyl}(methyl)amino]-propanenitrile;
- 15 - 2,6-ditert-butyl-4-{4-[2-(1-piperazinyl)ethyl]-1,3-oxazol-2-yl}phenol;
- N-methyl[4-(10*H*-phenothiazin-2-yl)-1,3-thiazol-2-yl]methanamine;
- butyl 2-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)ethylcarbamate;
- N-[2-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)ethyl]pentanamide;
- N-[2-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)ethyl]-1-butan Sulphonamide;
- 20 - 4-[2-(2-{[butylamino]carbonyl}amino)ethyl]-1*H*-imidazol-4-yl]-1,1'-biphenyl;
- N-[(*S*)-cyclohexyl[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]methyl]cyclobutanamine;
- N-[1-(4-cyclohexyl-1*H*-imidazol-2-yl)heptyl]cyclohexanamine;
- N-{1-[4-(3-bromophenyl)-1*H*-imidazol-2-yl]-5-methylhexyl}-N-cyclohexylamine;
- N-{1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]heptyl}cyclohexanamine;
- 25 - (4-phenyl-1*H*-imidazol-2-yl)methanamine;
- (1*S*)-3-methyl-1-(4-phenyl-1*H*-imidazol-2-yl)-1-butanamine;
- butyl 2-[4-(4-phenoxyphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
- (*R,S*)-N-[2-(1-methyl-1*H*-indol-3-yl)-1-(4-phenyl-1*H*-imidazol-2-yl)ethyl]-1-butanamine;
- 30 - (1*R*)-N-benzyl-1-(4,5-dimethyl-1,3-oxazol-2-yl)-2-(1*H*-indol-3-yl)ethanamine;

- (R,S)-*N*-benzyl-2-(6-fluoro-1*H*-indol-3-yl)-1-(4-phenyl-1*H*-imidazol-2-yl)-ethanamine;
- *N*-{(S)-cyclohexyl[4-(4-methylsulphonylphenyl)-1*H*-imidazol-2-yl]methyl}-cyclohexanamine;
- 5 - (1*R*)-*N*-benzyl-2-phenyl-1-(4-phenyl-1*H*-imidazol-2-yl)ethanamine;
- (1*R*)-2-(1*H*-indol-3-yl)-*N*-(2-phenylethyl)-1-(4-phenyl-1*H*-imidazol-2-yl)ethanamine;
- (1*R*)-*N*-benzyl-2-(1*H*-indol-3-yl)-*N*-methyl-1-(4-phenyl-1*H*-imidazol-2-yl)ethanamine;
- *N*-benzyl(4-phenyl-1*H*-imidazol-2-yl)methanamine;
- 10 - *tert*-butyl (1*R*)-1-(4-*tert*-butyl-1*H*-imidazol-2-yl)-2-(1*H*-indol-3-yl)ethylcarbamate;
- (1*R*)-*N*-benzyl-1-(1-benzyl-4-*tert*-butyl-1*H*-imidazol-2-yl)-2-(1*H*-indol-3-yl)ethanamine;
- 1-methyl-1-(4-phenyl-1*H*-imidazol-2-yl)ethylamine;
- *N*-[(1*S*)-2-(1*H*-indol-3-yl)-1-(4-phenyl-1*H*-imidazol-2-yl)ethyl]-1-hexanamine;
- 15 - *tert*-butyl (R,S)-1-(4-phenyl-1*H*-imidazol-2-yl)heptylcarbamate;
- (4-[1,1'-biphenyl]-4-yl-1-methyl-1*H*-imidazol-2-yl)methanamine;
- (R,S)-*N*-benzyl-1-(1-benzyl-4-phenyl-1*H*-imidazol-2-yl)-1-heptanamine;
- *N*-benzyl-*N*-[(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)methyl]-1-hexanamine;
- *N*-benzyl(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)-*N*-methylmethanamine;
- 20 - (R,S)-4-(2-{1-[(*tert*-butoxycarbonyl)amino]pentyl}-1*H*-imidazol-4-yl)-1,1'-biphenyl;
- (R,S)-*N*-benzyl-1-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)-1-pentanamine;
- *N*-[2-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)ethyl]-3,3-dimethyl-butanamide;
- (R,S)-*N,N*-dihexyl-1-(4-phenyl-1*H*-imidazol-2-yl)-1-heptanamine;
- *tert*-butyl (R,S)-1-(4-phenyl-1*H*-imidazol-2-yl)hexylcarbamate;
- 25 - (R,S)-*N*-hexyl-1-(4-phenyl-1*H*-imidazol-2-yl)-1-heptanamine;
- (R,S)-1-(4-phenyl-1*H*-imidazol-2-yl)hexylamine;
- (R,S)-*N*-benzyl-1-[4-(4-methoxyphenyl)-1*H*-imidazol-2-yl]-1-heptanamine;
- (R,S)-*N*-(2,6-dichlorobenzyl)-1-(4-phenyl-1*H*-imidazol-2-yl)-1-heptanamine;
- (R,S)-*N*-(4-chlorobenzyl)-1-(4-phenyl-1*H*-imidazol-2-yl)-1-heptanamine;



- (R,S)-1-[4-(3-methoxyphenyl)-1*H*-imidazol-2-yl]heptylamine;
- (R,S)-*N*-(2-chlorobenzyl)-1-(4-phenyl-1*H*-imidazol-2-yl)-1-heptanamine;
- (R,S)-*N*-(2-fluorobenzyl)-1-(4-phenyl-1*H*-imidazol-2-yl)-1-heptanamine;
- (R,S)-*N*-butyl-1-(4-phenyl-1*H*-imidazol-2-yl)-1-heptanamine;
- 5 - (R,S)-*N*-isopentyl-*N*-[1-(4-phenyl-1*H*-imidazol-2-yl)heptyl]amine;
- (R,S)-1-[4-(3-bromophenyl)-1*H*-imidazol-2-yl]-*N*-hexyl-1-heptanamine;
- (R,S)-*N*-pentyl-1-(4-phenyl-1*H*-imidazol-2-yl)-1-heptanamine;
- (R,S)-*N*-[1-(4-phenyl-1*H*-imidazol-2-yl)heptyl]cyclohexanamine;
- (R,S)-*N*-benzyl-1-[4-(3,4-dichlorophenyl)-1*H*-imidazol-2-yl]-1-heptanamine;
- 10 - butyl (4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)methylcarbamate;
- (R,S)-*N*-[1-(4-phenyl-1*H*-imidazol-2-yl)heptyl]cyclopentanamine;
- (S)-cyclohexyl(4-phenyl-1*H*-imidazol-2-yl)methylamine;
- (R,S)-*N*-{1-[4-(2-chlorophenyl)-1*H*-imidazol-2-yl]heptyl}-cyclohexanamine;
- *N*-[(S)-cyclohexyl(4-cyclohexyl-1*H*-imidazol-2-yl)methyl]-cyclohexanamine;
- 15 - *N*-[(S)-cyclohexyl(4-phenyl-1*H*-imidazol-2-yl)methyl]-cyclobutanamine;
- (R,S)-*N*-{1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]heptyl}-cyclobutanamine;
- *N*-{(S)-cyclohexyl[4-(3-fluoro-4-methoxyphenyl)-1*H*-imidazol-2-yl]methyl}-cyclobutanamine;
- *N*-((S)-cyclohexyl{4-[4-(trifluoromethyl)phenyl]-1*H*-imidazol-2-yl]methyl}-cyclobutanamine;
- 20 - *N*-{(S)-cyclohexyl[4-(3-fluorophenyl)-1*H*-imidazol-2-yl]methyl}-cyclobutanamine;
- (1*R*)-*N*-benzyl-2-(1*H*-indol-3-yl)-1-(4-phenyl-1*H*-imidazol-2-yl)ethanamine;
- (R,S)-2-(1*H*-indol-3-yl)-1-(5-methyl-4-phenyl-1*H*-imidazol-2-yl)ethanamine;
- (1*R*)-1-(4,5-diphenyl-1*H*-imidazol-2-yl)-2-(1*H*-indol-3-yl)ethanamine;
- 25 - (R,S)-2-phenyl-1-(4-phenyl-1*H*-imidazol-2-yl)ethanamine;
- (R,S)-2-(1-methyl-1*H*-indol-3-yl)-1-(4-phenyl-1*H*-imidazol-2-yl)ethylamine;
- (1*S*)-*N*-benzyl-2-(1*H*-indol-3-yl)-1-(4-phenyl-1*H*-imidazol-2-yl)ethanamine;
- (1*R*)-*N*-benzyl-1-(4,5-diphenyl-1*H*-imidazol-2-yl)-2-(1*H*-indol-3-yl)ethanamine;
- (1*R*)-*N*-benzyl-2-(1*H*-indol-3-yl)-1-(5-methyl-4-phenyl-1*H*-imidazol-2-yl)ethanamine;

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- *tert*-butyl (1*R*)-2-(1*H*-indol-3-yl)-1-(4-phenyl-1*H*-imidazol-2-yl)ethylcarbamate;
- (1*R*)-2-(1*H*-indol-3-yl)-1-(4-phenyl-1*H*-imidazol-2-yl)ethanamine;
- *N*-[(1*R*)-2-(1*H*-indol-3-yl)-1-(4-phenyl-1*H*-imidazol-2-yl)ethyl]benzamide;
- benzyl (1*R*)-2-(1*H*-indol-3-yl)-1-(4-phenyl-1*H*-imidazol-2-yl)ethylcarbamate;
- 5 - (1*R*)-*N*-benzyl-2-(1*H*-indol-3-yl)-1-(4-phenyl-1,3-thiazol-2-yl)ethanamine;
- *N*-[(1*R*)-2-(1*H*-indol-3-yl)-1-(4-phenyl-1,3-thiazol-2-yl)ethyl]benzamide;
- *tert*-butyl (1*R*)-2-(1*H*-indol-3-yl)-1-[4-(4-nitrophenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
- *tert*-butyl (4-phenyl-1*H*-imidazol-2-yl)methylcarbamate;
- 10 - *tert*-butyl (1-benzyl-4-phenyl-1*H*-imidazol-2-yl)methylcarbamate;
- *N*-[(1*R*)-2-(1*H*-indol-3-yl)-1-(4-phenyl-1*H*-imidazol-2-yl)ethyl]-2-pyrimidinamine;
- (1*R*)-2-(1*H*-indol-3-yl)-1-[4-(4-nitrophenyl)-1*H*-imidazol-2-yl]ethanamine;
- (1-benzyl-4-phenyl-1*H*-imidazol-2-yl)methanamine;
- (1*R*)-2-(1*H*-indol-3-yl)-*N*-(2-phenoxyethyl)-1-(4-phenyl-1*H*-imidazol-2-yl)ethanamine;
- (1*R*)-1-(4-*tert*-butyl-1*H*-imidazol-2-yl)-2-(1*H*-indol-3-yl)ethylamine;
- *N*-benzyl(1-benzyl-4-phenyl-1*H*-imidazol-2-yl)methanamine;
- (1*R*)-2-(1-benzothien-3-yl)-*N*-benzyl-1-(4-phenyl-1*H*-imidazol-2-yl)ethanamine;
- (1*R*)-2-(1*H*-indol-3-yl)-*N*-(2-phenoxyethyl)-1-(4-phenyl-1,3-thiazol-2-yl)ethanamine;
- 20 - *tert*-butyl 1-(4-phenyl-1*H*-imidazol-2-yl)cyclohexylcarbamate;
- *tert*-butyl (R,S)-2-(6-chloro-1*H*-indol-3-yl)-1-(4-phenyl-1*H*-imidazol-2-yl)ethylcarbamate;
- 1-(4-phenyl-1*H*-imidazol-2-yl)cyclohexanamine;
- *N*-[(1*R*)-2-(1*H*-indol-3-yl)-1-(4-phenyl-1*H*-imidazol-2-yl)ethyl]-*N'*-phenylurea;
- 25 - *N*-[(1*R*)-2-(1*H*-indol-3-yl)-1-(4-phenyl-1*H*-imidazol-2-yl)ethyl]benzene-carboximidamide;
- (1*R*)-*N*-(cyclohexylmethyl)-2-(1*H*-indol-3-yl)-1-(4-phenyl-1*H*-imidazol-2-yl)ethanamine;
- (R,S)-*N'*-benzyl-1-(4-phenyl-1*H*-imidazol-2-yl)-1,5-pentanediamine;
- 30 - *tert*-butyl (R,S)-5-(benzylamino)-5-(4-phenyl-1*H*-imidazol-2-yl)pentylcarbamate;

- *N*-[(1*R*)-2-(1*H*-indol-3-yl)-1-(4-phenyl-1*H*-imidazol-2-yl)ethyl]-4-methoxybenzene-carboximidamide;
- (R,S)-2-(6-chloro-1*H*-indol-3-yl)-1-(4-phenyl-1*H*-imidazol-2-yl)ethylamine;
- *N*-benzyl-1-(4-phenyl-1*H*-imidazol-2-yl)cyclohexanamine;
- 5 - *tert*-butyl (1*R*)-3-methyl-1-(4-phenyl-1*H*-imidazol-2-yl)butylcarbamate;
- (1*R*)-*N*-benzyl-3-methyl-1-(4-phenyl-1*H*-imidazol-2-yl)-1-butanamine;
- *tert*-butyl (R,S)-phenyl(4-phenyl-1*H*-imidazol-2-yl)methylcarbamate;
- *tert*-butyl 1-methyl-1-(4-phenyl-1*H*-imidazol-2-yl)ethylcarbamate;
- (R,S)-phenyl(4-phenyl-1*H*-imidazol-2-yl)methylamine;
- 10 - *tert*-butyl (1*R*)-3-phenyl-1-(4-phenyl-1*H*-imidazol-2-yl)propylcarbamate;
- *tert*-butyl (1*R*)-2-cyclohexyl-1-(4-phenyl-1*H*-imidazol-2-yl)ethylcarbamate;
- (1*R*)-3-phenyl-1-(4-phenyl-1*H*-imidazol-2-yl)-1-propanamine;
- (1*R*)-2-cyclohexyl-1-(4-phenyl-1*H*-imidazol-2-yl)ethanamine;
- (R,S)-*N*-benzyl(phenyl)(4-phenyl-1*H*-imidazol-2-yl)methanamine;
- 15 - (1*R*)-*N*-benzyl-2-cyclohexyl-1-(4-phenyl-1*H*-imidazol-2-yl)ethanamine;
- (1*R*)-*N*-benzyl-3-phenyl-1-(4-phenyl-1*H*-imidazol-2-yl)-1-propanamine;
- (R,S)-*N*-{5,5,5-trifluoro-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]pentyl}-cyclohexanamine;
- 20 - 4-(2-{[(*tert*-butoxycarbonyl)amino]methyl}-1*H*-imidazol-4-yl)-1,1'-biphenyl;
- (1-benzyl-4-phenyl-1*H*-imidazol-2-yl)-*N,N*-dimethylmethanamine;
- *N*-benzyl-2-(4-phenyl-1*H*-imidazol-2-yl)-2-propanamine;
- 4-(1-benzyl-2-{[(*tert*-butoxycarbonyl)amino]methyl}-1*H*-imidazol-4-yl)-1,1'-biphenyl;
- 25 - (4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)methanamine;
- (R,S) 1-(4-phenyl-1*H*-imidazol-2-yl)heptylamine;
- (1-benzyl-4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)methanamine;
- *N,N*-dibenzyl(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)methanamine;
- (R,S)-*N*-benzyl-1-(4-phenyl-1*H*-imidazol-2-yl)-1-heptanamine;

- 4-(2-([(tert-butoxycarbonyl)amino]methyl))-1-methyl-1*H*-imidazol-4-yl)-1,1'-biphenyl;
- *tert*-butyl (1*S*)-1-(4,5-diphenyl-1*H*-imidazol-2-yl)-2-(1*H*-indol-3-yl)ethylcarbamate;
- *tert*-butyl (1*R*)-2-(1*H*-indol-3-yl)-1-(1-methyl-4-phenyl-1*H*-imidazol-2-yl)ethylcarbamate;
- 5 - 4-(2-([(tert-butoxycarbonyl)(methyl)amino]methyl))-1*H*-imidazol-4-yl)-1,1'-biphenyl;
- 4-(2-((1*R*)-1-[(tert-butoxycarbonyl)amino]-2-cyclohexylethyl))-1*H*-imidazol-4-yl)-1,1'-biphenyl;
- (1*R*)-2-(1*H*-indol-3-yl)-1-(1-methyl-4-phenyl-1*H*-imidazol-2-yl)ethanamine;
- 10 - 4-(2-{2-[(tert-butoxycarbonyl)amino]ethyl))-1*H*-imidazol-4-yl)-1,1'-biphenyl;
- *tert*-butyl methyl[(5-methyl-4-phenyl-1*H*-imidazol-2-yl)methyl]carbamate;
- (1*R*)-1-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)-2-cyclohexylethanamine;
- (4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)-*N*-methylmethanamine;
- *tert*-butyl (4,5-diphenyl-1*H*-imidazol-2-yl)methyl(methyl)carbamate;
- 15 - *tert*-butyl (4,5-diphenyl-1*H*-imidazol-2-yl)methylcarbamate;
- *N*-methyl-(5-methyl-4-phenyl-1*H*-imidazol-2-yl)methanamine;
- (R,S)-*N,N*-dibenzyl-1-(1-benzyl-4-phenyl-1*H*-imidazol-2-yl)-1-heptanamine;
- (4,5-diphenyl-1*H*-imidazol-2-yl)methanamine;
- 2-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)ethanamine;
- 20 - (4,5-diphenyl-1*H*-imidazol-2-yl)-*N*-methylmethanamine;
- *N*-benzyl(4,5-diphenyl-1*H*-imidazol-2-yl)methanamine;
- *N*-benzyl-2-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)ethanamine;
- 4-(2-{[benzyl(tert-butoxycarbonyl)amino]methyl))-1*H*-imidazol-4-yl)-1,1'-biphenyl;
- (1*R*)-1-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)-3-phenyl-1-propanamine;
- 25 - 4-(2-((1*R*)-1-[(tert-butoxycarbonyl)amino]-3-phenylpropyl))-1*H*-imidazol-4-yl)-1,1'-biphenyl;
- *N*-benzyl(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)methanamine;
- (1*R*)-*N*-benzyl-1-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)-2-cyclohexylethanamine;
- (1*R*)-*N*-benzyl-1-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)-3-phenyl-1-propanamine;

- 4-(2-{3-[(*tert*-butoxycarbonyl)amino]propyl}-1*H*-imidazol-4-yl)-1,1'-biphenyl;  
 - 4-[2-(2-{[(*tert*-butylamino)carbothioyl]amino}ethyl)-1*H*-imidazol-4-yl]-1,1'-biphenyl;  
 - *tert*-butyl 6-(4-phenyl-1*H*-imidazol-2-yl)hexylcarbamate;  
 - *tert*-butyl (R,S)-1-(4-phenyl-1*H*-imidazol-2-yl)pentylcarbamate;  
 5 - (R,S)-1-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)-1-pentanamine;  
 - *N*-[2-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)ethyl]-1-hexanamine;  
 - 4-[2-(2-{[(*tert*-butylamino)carbonyl]amino}ethyl)-1*H*-imidazol-4-yl]-1,1'-biphenyl;  
 - *N*-benzyl-3-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)-1-propanamine;  
 - 3-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)-1-propanamine;  
 10 - 6-(4-phenyl-1*H*-imidazol-2-yl)hexylamine;  
 - (R,S)-1-(4-phenyl-1*H*-imidazol-2-yl)pentylamine;  
 - *tert*-butyl (R,S)-1-[4-(4-methylphenyl)-1*H*-imidazol-2-yl]heptylcarbamate;  
 - *tert*-butyl (R,S)-1-[4-(2-methoxyphenyl)-1*H*-imidazol-2-yl]heptylcarbamate;  
 - (R,S)-1-[4-(4-methylphenyl)-1*H*-imidazol-2-yl]-1-heptanamine;  
 15 - (R,S)-1-[4-(2-methoxyphenyl)-1*H*-imidazol-2-yl]heptylamine;  
 - (R,S)-*N*-benzyl-1-(4-phenyl-1*H*-imidazol-2-yl)-1-pentanamine;  
 - *tert*-butyl (R,S)-1-[4-(4-methoxyphenyl)-1*H*-imidazol-2-yl]heptylcarbamate;  
 - (R,S)-1-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)-1-heptanamine;  
 - *tert*-butyl (R,S)-1-[4-(3-bromophenyl)-1*H*-imidazol-2-yl]heptylcarbamate;  
 20 - (R,S)-1-[4-(4-methoxyphenyl)-1*H*-imidazol-2-yl]heptylamine;  
 - (R,S)-1-[4-(3-bromophenyl)-1*H*-imidazol-2-yl]-1-heptanamine;  
 - (R,S)-4-(2-{1-[(*tert*-butoxycarbonyl)amino]heptyl}-1*H*-imidazol-4-yl)-1,1'-biphenyl;  
 - (R,S)-*N*-benzyl-1-[4-(3-bromophenyl)-1*H*-imidazol-2-yl]-1-heptanamine;  
 25 - 4-(2-{(1*S*)-1-[(*tert*-butoxycarbonyl)amino]propyl}-1*H*-imidazol-4-yl)-1,1'-biphenyl;  
 - (R,S)-*N*-benzyl-1-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)-1-heptanamine;  
 - (1*S*)-1-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)-1-propanamine;  
 - *tert*-butyl (1*S*)-1-(4,5-diphenyl-1*H*-imidazol-2-yl)propylcarbamate;  
 - (1*S*)-*N*-benzyl-1-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)-1-propanamine;

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- (R,S)-*N*-(4-methoxybenzyl)-1-(4-phenyl-1*H*-imidazol-2-yl)-1-heptanamine;  
 - (R,S)-*N*-benzyl-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]-1-heptanamine;  
 - (R,S)-*N*-benzyl-1-[4-(2-chlorophenyl)-1*H*-imidazol-2-yl]-1-heptanamine;  
 - (R,S)-*N*-benzyl-*N*-(1-{4-[4-(diethylamino)phenyl]-1*H*-imidazol-2-yl}heptyl)amine;  
 5 - (R,S)-1-[4-(3,4-dichlorophenyl)-1*H*-imidazol-2-yl]-1-heptanamine;  
 - *tert*-butyl (R,S)-1-[4-(3-bromophenyl)-1*H*-imidazol-2-yl]-5-methylhexylcarbamate;  
 - (R,S)-1-[4-(3-bromophenyl)-1*H*-imidazol-2-yl]-5-methyl-1-hexanamine;  
 - (R,S)-*N*-isobutyl-1-(4-phenyl-1*H*-imidazol-2-yl)-1-heptanamine;  
 - (R,S)-*N*-benzyl-1-[4-(3-bromophenyl)-1*H*-imidazol-2-yl]-5-methyl-1-hexanamine;  
 10 - (R,S)-*N*-benzyl-1-[4-(4-methoxyphenyl)-1*H*-imidazol-2-yl]-1-heptanamine;  
 - 4-[2-(2-[(benzyloxy)carbonyl]amino)ethyl]-1*H*-imidazol-4-yl)-1,1'-biphenyl;  
 - 4-(2-{1-[(butoxycarbonyl)amino]-1-methylethyl}-1*H*-imidazol-4-yl)-1,1'-biphenyl;  
 - 4-(2-{2-[(isobutoxycarbonyl)amino]ethyl}-1*H*-imidazol-4-yl)-1,1'-biphenyl;  
 - (R,S)-*N*-[1-(4-phenyl-1*H*-imidazol-2-yl)heptyl]cyclobutanamine;  
 15 - 4-(2-{(1*S*)-1-[(butoxycarbonyl)amino]ethyl}-1*H*-imidazol-4-yl)-1,1'-biphenyl;  
 - 4-(2-{(1*R*)-1-[(butoxycarbonyl)amino]ethyl}-1*H*-imidazol-4-yl)-1,1'-biphenyl;  
 - *N*-[(*S*)-cyclohexyl(4-phenyl-1*H*-imidazol-2-yl)methyl]-cyclohexanamine;  
 - 4-(2-{2-[(methoxycarbonyl)amino]ethyl}-1*H*-imidazol-4-yl)-1,1'-biphenyl;  
 - 4-(2-{2-[(propoxycarbonyl)amino]ethyl}-1*H*-imidazol-4-yl)-1,1'-biphenyl;  
 20 - 4-(2-{2-[(ethoxycarbonyl)amino]ethyl}-1*H*-imidazol-4-yl)-1,1'-biphenyl;  
 - 4-[2-(1-[(benzyloxy)carbonyl]amino)-1-methylethyl]-1*H*-imidazol-4-yl)-1,1'-biphenyl;  
 - (R,S)-*N*-isopropyl-*N*-[1-(4-phenyl-1*H*-imidazol-2-yl)heptyl]amine;  
 - *N*-[2-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)ethyl]-cyclohexanamine;  
 25 - (R,S)-*N*-{1-[4-(3,4-dichlorophenyl)-1*H*-imidazol-2-yl]heptyl}-cyclohexanamine;  
 - butyl 2-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]ethylcarbamate;  
 - (R,S)-*N*-[1-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)heptyl]-cyclohexanamine;  
 - (R,S)-2-(5-fluoro-1*H*-indol-3-yl)-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]ethylamine;  
 - *N*-{[4-(3-bromophenyl)-1*H*-imidazol-2-yl]methyl}cyclohexanamine;

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- hexyl 2-(4-[1,1'-biphenyl]-4-yl)-1*H*-imidazol-2-yl)ethylcarbamate;
- (R,S)-*N*-{2-(5-fluoro-1*H*-indol-3-yl)-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]ethyl}-cyclobutanamine;
- (R,S)-*N*-{1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]-4-methylpentyl}-cyclohexanamine;
- 5 - (S)-cyclohexyl[4-(3,4-difluorophenyl)-1*H*-imidazol-2-yl]-methanamine;
- (S)-cyclohexyl[4-(3-fluoro-4-methoxyphenyl)-1*H*-imidazol-2-yl]-methanamine;
- (R,S)-cyclopropyl[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]-methanamine;
- *N*-{(S)-cyclohexyl[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]methyl}-2-propanamine;
- *N*-{(S)-cyclohexyl[4-(3,4-difluorophenyl)-1*H*-imidazol-
- 10 2-yl]methyl}cyclobutanamine;
- (R,S) *N*-(cyclohexylmethyl)-1-(4-phenyl-1*H*-imidazol-2-yl)-1-heptanamine;
- *N*-{(S)-cyclohexyl[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]methyl}cyclohexanamine;
- (S)-cyclohexyl-*N*-(cyclohexylmethyl)(4-phenyl-1*H*-imidazol-2-yl)methanamine;
- (R,S)-*N*-{cyclopropyl[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]methyl}cyclohexanamine;
- 15 - (S)-cyclohexyl-*N*-(cyclopropylmethyl)(4-phenyl-1*H*-imidazol-2-yl)methanamine;
- butyl 2-[4-(4-cyclohexylphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
- 4-[2-(2-[[[(cyclohexyloxy)carbonyl]amino]ethyl)-1*H*-imidazol-4-yl]-1,1'-biphenyl];
- *N*-((S)-cyclohexyl{4-[4-(trifluoromethoxy)phenyl]-1*H*-imidazol-2-yl]methyl}-cyclobutanamine;
- 20 - 4-[2-(2-[[[(cyclopentyloxy)carbonyl]amino]ethyl)-1*H*-imidazol-4-yl]-1,1'-biphenyl];
- (R,S)-*N*-{1-[4-(3-bromophenyl)-1*H*-imidazol-2-yl]-5-methylhexyl}-cyclohexanamine;
- (S)-cyclohexyl-*N*-(cyclopropylmethyl)[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]-methanamine;
- (R,S)-*N*-{cyclopentyl[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]methyl}cyclobutanamine;
- 25 - *N*-{(S)-cyclohexyl[4-(4-cyclohexylphenyl)-1*H*-imidazol-2-yl]methyl}cyclobutanamine;
- *N*-{(1*R*)-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]-2-methylpropyl}-cyclohexanamine;
- *N*-((S)-cyclohexyl{4-[4-(trifluoromethyl)phenyl]-1*H*-imidazol-2-yl]methyl}-cyclobutanamine;
- 30 - butyl 2-[4-(2,3-dihydro-1,4-benzodioxin-6-yl)-1*H*-imidazol-2-yl]ethylcarbamate;



- *N*-{(S)-cyclohexyl[4-(4-fluorophenyl)-1-methyl-1*H*-imidazol-2-yl]methyl}-cyclohexanamine;
- cyclohexylmethyl 2-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)ethylcarbamate;
- 4-bromo-4'-(2-{2-[(butoxycarbonyl)amino]ethyl}-1*H*-imidazol-4-yl)-1,1'-biphenyle;
- 5 - *N*-((S)-cyclohexyl{4-[4-(methylsulphanyl)phenyl]-1*H*-imidazol-2-yl}methyl)-cyclohexanamine;
- *N*-{(S)-cyclohexyl[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]methyl}cyclohexanamine;
- *N*-[(S)-{4-[3,5-bis(trifluoromethyl)phenyl]-1*H*-imidazol-2-yl}(cyclohexyl)methyl]-cyclohexanamine;
- 10 - cyclobutylmethyl 2-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)ethylcarbamate;
- cyclobutylmethyl 2-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
- *N*-{(S)-cyclohexyl[4-(3,4-difluorophenyl)-1*H*-imidazol-2-yl]methyl}cyclohexanamine;
- 4-[2-(2-{[(2-methoxyethoxy)carbonyl]amino}ethyl)-1*H*-imidazol-4-yl]-1,1'-biphenyle;
- (S)-1-[4-(3-bromophenyl)-1*H*-imidazol-2-yl]-1-cyclohexyl-*N*-(cyclohexylmethyl)-methanamine;
- 4-(2-{(S)-cyclohexyl[(cyclohexylmethyl)amino]methyl}-1*H*-imidazol-4-yl)-*N,N*-diethylaniline;
- 20 - 2,6-ditert-butyl-4-(2-{(S)-cyclohexyl[(cyclohexylmethyl)amino]methyl}-1*H*-imidazol-4-yl)phenol;
- 4-{2-[(S)-cyclohexyl(cyclohexylamino)methyl]-1*H*-imidazol-4-yl}-*N,N*-diethylaniline;
- (S)-1-cyclohexyl-*N*-(cyclohexylmethyl)-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]methanamine;
- 25 - butyl 2-[4-(4-*tert*-butylphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
- (S)-1-cyclohexyl-*N*-(cyclohexylmethyl)-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]methanamine;
- *N*-((S)-cyclohexyl{4-[4-(trifluoromethyl)phenyl]-1*H*-imidazol-2-yl}methyl)cyclohexanamine;
- 30 - *N*-[(S)-[4-(3-bromophenyl)-1*H*-imidazol-2-yl](cyclohexyl)methyl]cyclohexanamine;

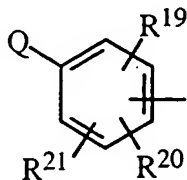
- 10
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- *N*-{[(1*R*)-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]-2-phenylethyl}cyclohexanamine;
  - (1*R*)-*N*-(cyclohexylmethyl)-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]-2-phenylethanamine;
  - cyclohexylmethyl 2-[4-(3,5-di*tert*-butyl-4-hydroxyphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
  - butyl 2-[4-(3,5-di*tert*-butyl-4-hydroxyphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
  - cyclobutylmethyl 2-[4-(4'-bromo-1,1'-biphenyl-4-yl)-1*H*-imidazol-2-yl]ethylcarbamate;
  - isobutyl 2-[4-(4'-bromo-1,1'-biphenyl-4-yl)-1*H*-imidazol-2-yl]ethylcarbamate;
  - isobutyl 2-[4-(4-*tert*-butylphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
  - 2-[4-(4-*tert*-butylphenyl)-1*H*-imidazol-2-yl]ethylcarbamate cyclobutylmethyl;
  - cyclohexyl 2-[4-(4'-bromo-1,1'-biphenyl-4-yl)-1*H*-imidazol-2-yl]ethylcarbamate;
  - cyclohexyl 2-[4-(4-*tert*-butylphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
  - 3-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]propan-1-amine;
  - 4,4,4-trifluorobutyl 2-[4-(4'-bromo-1,1'-biphenyl-4-yl)-1*H*-imidazol-2-yl]ethylcarbamate;
  - 4,4,4-trifluorobutyl 2-[4-(1,1'-biphenyl-4-yl)-1*H*-imidazol-2-yl]ethylcarbamate;
- or a pharmaceutically acceptable salt thereof.

Claim 14 (amended) The method of claim 1 wherein

Het is such that the compounds of general formula (I) correspond to one of general sub-formulae (I)<sub>1</sub> and (I)<sub>2</sub> in which X represents NH or S or general sub-formula (I)<sub>3</sub> in which Y represents O;

A represents a



radical in which Q represents OH, two of the R<sup>19</sup>, R<sup>20</sup> and R<sup>21</sup> radicals represent an alkyl radical and the third represents a hydrogen atom,

or in which Q represents a phenyl radical substituted by an OH radical and one or more radicals chosen independently from alkyl radicals;

B represents a hydrogen atom;

n represents 0 or 1;

R<sup>1</sup> and R<sup>2</sup> both represent a hydrogen atom;

and  $\Omega$  represents an NR<sup>46</sup>R<sup>47</sup> radical in which R<sup>46</sup> represents a hydrogen atom or an alkyl, alkynyl, hydroxyalkyl or cyanoalkyl radical and R<sup>47</sup> represents a hydrogen atom or an alkyl radical or also R<sup>46</sup> and R<sup>47</sup> form together with the nitrogen atom which carries them a non-aromatic heterocycle with 5 to 7 members, the additional members being chosen from -CH<sub>2</sub>- and -NH-;

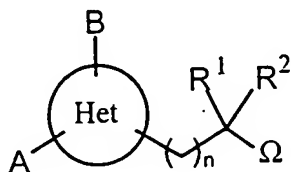
in order to prepare a medicament intended both to inhibit the MAO's and lipidic peroxidation and to modulate sodium channels.

Claim 15 (amended) The method of claim 14, wherein the compound is selected from the group consisting of

- 4-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-N-methyl-2-thiazolemethanamine;
- 2-[(4-[3,5-di(tert-butyl)-4-hydroxyphenyl]-1,3-thiazol-2-yl)methyl](methyl)amino]acetonitrile;
- 2,6-di(tert-butyl)-4-(2-[(2-hydroxyethyl)(methyl)amino]methyl)-1,3-thiazol-4-yl)phenol;
- 4-[[4-(3,5-ditert-butyl-4-hydroxyphenyl)-1,3-thiazol-2-yl]methyl](methyl)amino]butanenitrile;
- 2,6-ditert-butyl-4-(4-{2-[methyl(2-propynyl)amino]ethyl}-1,3-oxazol-2-yl)phenol;
- 3-[[2-[2-(3,5-ditert-butyl-4-hydroxyphenyl)-1,3-oxazol-4-yl]ethyl](methyl)amino]propanenitrile;
- 2,6-ditert-butyl-4-{4-[2-(1-piperazinyl)ethyl]-1,3-oxazol-2-yl}phenol;

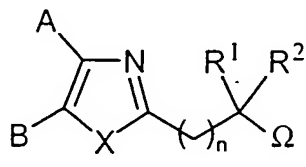
and a pharmaceutically acceptable salt thereof.

Claim 16 (amended) A composition for inhibiting monoamine oxidases and lipidic peroxidation and modulating activity vis-a-vis sodium channels comprising an effective amount of a compound of the formula

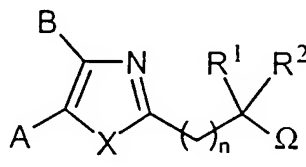


(II)

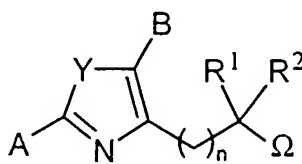
in racemic, enantiomeric form or any combinations of these forms, in which Het is a heterocycle with 5 members comprising 2 heteroatoms wherein the compound corresponds exclusively to one of the following sub-formulae:



(II)<sub>1</sub>

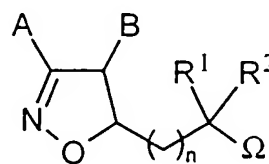


(II)<sub>2</sub>



(II)<sub>3</sub>

and

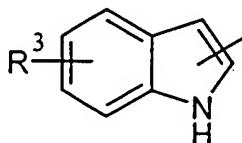


(II)<sub>4</sub>

in which

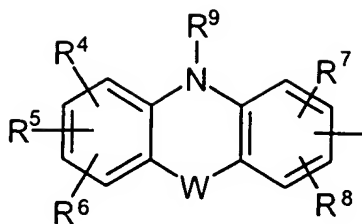
A represents

either a



radical in which R<sup>3</sup> represents a hydrogen atom, the group OH or a radical alkoxy or alkyl,

or a



radical in which  $R^4$ ,  $R^5$ ,  $R^6$ ,  $R^7$  and  $R^8$  represent, independently, a hydrogen atom, a halogen, the OH group or an alkyl, alkoxy, cyano, nitro or  $NR^{10}R^{11}$  radical,

$R^{10}$  and  $R^{11}$  representing, independently, a hydrogen atom, an alkyl radical or a  $-COR^{12}$  group, or  $R^{10}$  and  $R^{11}$  forming together with the nitrogen atom an optionally substituted heterocycle comprising 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms,

$R^{12}$  representing a hydrogen atom or an alkyl, alkoxy or  $NR^{13}R^{14}$  radical,

$R^{13}$  and  $R^{14}$  representing, independently, a hydrogen atom or an alkyl radical, or  $R^{13}$  and  $R^{14}$  forming together with the nitrogen atom an optionally substituted heterocycle comprising 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms,

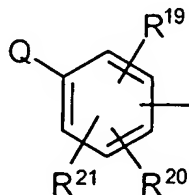
$R^9$  represents a hydrogen atom, an alkyl radical or a  $-COR^{15}$  group,

$R^{15}$  representing a hydrogen atom or an alkyl, alkoxy or  $NR^{16}R^{17}$  radical,

$R^{16}$  and  $R^{17}$  representing, independently, a hydrogen atom or an alkyl radical, or  $R^{16}$  and  $R^{17}$  forming together with the nitrogen atom an optionally substituted heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms,

and W doesn't exist, or represents a bond, or  $-O-$ ,  $-S-$  or  $-NR^{18}-$ , in which  $R^{18}$  represents a hydrogen atom or an alkyl radical;

or a



radical in which Q represents H,  $-OR^{22}$ ,  $-SR^{22}$ ,  $-NR^{23}R^{24}$ , a phenyl radical optionally substituted by one or more of the substituents chosen independently from a halogen atom, an OH, cyano, nitro, alkyl, alkoxy or  $-NR^{10}R^{11}$  radical and a group with two

substituents together representing a methylenedioxy or ethylenedioxy radical, or also Q represents a -COPh, -SO<sub>2</sub>Ph or -CH<sub>2</sub>Ph radical, said -COPh, -SO<sub>2</sub>Ph or -CH<sub>2</sub>Ph radical being optionally substituted on its aromatic part by one or more of the substituents chosen independently from an alkyl or alkoxy radical and a halogen atom,

5 R<sup>10</sup> and R<sup>11</sup> representing, independently, a hydrogen atom, an alkyl radical or a -COR<sup>12</sup> group, or R<sup>10</sup> and R<sup>11</sup> forming together with the nitrogen atom an optionally substituted heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms,

10 R<sup>12</sup> representing a hydrogen atom, an alkyl or alkoxy or NR<sup>13</sup>R<sup>14</sup> radical,

R<sup>13</sup> and R<sup>14</sup> representing, independently, a hydrogen atom or an alkyl radical, or R<sup>13</sup> and R<sup>14</sup> forming together with the nitrogen atom an optionally substituted heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms,

15 R<sup>22</sup> representing a hydrogen atom, an alkyl radical or an aryl radical optionally substituted by one or more substituents chosen from the alkyl, OH, halogen, nitro and alkoxy radicals,

R<sup>23</sup> and R<sup>24</sup> representing, independently, a hydrogen atom, an alkyl radical or a -CO-

20 R<sup>25</sup> radical,

R<sup>25</sup> representing an alkyl radical,

and R<sup>19</sup>, R<sup>20</sup> and R<sup>21</sup> represent, independently, a hydrogen, a halogen, the OH or SR<sup>26</sup> group, or an alkyl, cycloalkyl, alkenyl, alkoxy, cyano, nitro, -SO<sub>2</sub>NHR<sup>49</sup>, -CONHR<sup>55</sup>, -S(O)<sub>q</sub>R<sup>56</sup>, -NH(CO)R<sup>57</sup>, -CF<sub>3</sub>, -OCF<sub>3</sub> or NR<sup>27</sup>R<sup>28</sup> radical,

25 R<sup>26</sup> representing a hydrogen atom or an alkyl radical,

R<sup>27</sup> and R<sup>28</sup> representing, independently, a hydrogen atom, an alkyl radical or a -COR<sup>29</sup> group, or R<sup>27</sup> and R<sup>28</sup> forming together with the nitrogen atom an optionally substituted heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms,

30 R<sup>49</sup> and R<sup>55</sup> representing, independently each time that they occur, a hydrogen atom or an alkyl or alkylcarbonyl radical,

q representing an integer from 0 to 2,

R<sup>56</sup> and R<sup>57</sup> representing, independently each time that they occur, a hydrogen atom or an alkyl or alkoxy radical,

35 R<sup>29</sup> representing a hydrogen atom, an alkyl, alkoxy or -NR<sup>30</sup>R<sup>31</sup> radical,

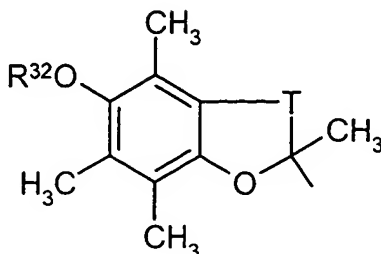
R<sup>30</sup> and R<sup>31</sup> representing, independently, a hydrogen atom or an alkyl radical, or R<sup>30</sup> and R<sup>31</sup> forming together with the nitrogen atom an optionally substituted heterocycle

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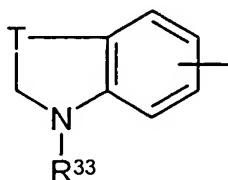
containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms,

or a



radical in which  $R^{32}$  represents a hydrogen atom or an alkyl radical, and T represents a  $-(CH_2)_m-$  radical with  $m = 1$  or  $2$ ,

or finally a



radical in which  $R^{33}$  represents a hydrogen atom or an alkyl,  $-\Sigma-NR^{34}R^{35}$  or  $-\Sigma-CHR^{36}R^{37}$  radical,

- 10  $\Sigma$  representing a linear or branched alkylene radical containing 1 to 6 carbon atoms,  $R^{34}$  and  $R^{35}$  representing, independently, a hydrogen atom or an alkyl radical,  $R^{36}$  and  $R^{37}$  representing, independently, a hydrogen atom or a carbocyclic or heterocyclic aryl radical optionally substituted by one or more substituents chosen from the alkyl, OH, halogen, nitro, alkoxy or  $NR^{10}R^{11}$  radicals,
- 15  $R^{10}$  and  $R^{11}$  representing, independently, a hydrogen atom, an alkyl radical or a  $-COR^{12}$  group, or  $R^{10}$  and  $R^{11}$  forming together with the nitrogen atom an optionally substituted heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms,
- 20  $R^{12}$  representing a hydrogen atom or an alkyl, alkoxy or  $NR^{13}R^{14}$  radical,  $R^{13}$  and  $R^{14}$  representing, independently, a hydrogen atom or an alkyl radical, or  $R^{13}$  and  $R^{14}$  forming together with the nitrogen atom an optionally substituted heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already



present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms,  
and T represents a  $-(CH_2)_m-$  radical with  $m = 1$  or  $2$ ,

or also A represents an alkyl, cycloalkyl or cycloalkylalkyl radical;

5 X represents S or  $NR^{38}$ ,

$R^{38}$  representing a hydrogen atom or an alkyl, cyanoalkyl, aralkyl, alkylcarbonyl or aralkylcarbonyl radical,

Y represents O or S;

10  $R^1$  represents a hydrogen atom, an alkyl, aminoalkyl, alkoxyalkyl, cycloalkyl, cycloalkylalkyl, trifluoromethylalkyl, alkenyl, allenyl, allenylalkyl, alkynyl, cyanoalkyl,  $-(CH_2)_g-Z^1R^{39}$ ,  $-(CH_2)_g-COR^{40}$ ,  $-(CH_2)_g-NHCOR^{70}$ , aryl, aralkyl, arylcarbonyl, heteroarylalkyl or aralkylcarbonyl radical, the aryl group of the aryl, aralkyl, arylcarbonyl, heteroarylalkyl or aralkylcarbonyl radicals being itself optionally substituted by one or more substituents chosen from the group constituted by the alkyl, halogen, alkoxy, nitro, cyano, cyanoalkyl, amino, alkylamino, dialkylamino,  $-(CH_2)_k-$   
15  $Z^2R^{39}$  or  $-(CH_2)_k-COR^{40}$  radicals,

$Z^1$  and  $Z^2$  representing a bond,  $-O-$ ,  $-NR^{41}-$  or  $-S-$ ,

$R^{39}$  and  $R^{41}$  representing, independently each time that they occur, a hydrogen atom or an alkyl, alkenyl, alkynyl or cyanoalkyl radical,

20  $R^{40}$  representing, independently each time that it occurs, a hydrogen atom or an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl, cyanoalkyl, alkoxy or  $NR^{42}R^{43}$  radical,

$R^{42}$  and  $R^{43}$  representing independently, independently each time that they occur, a hydrogen atom or an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl or cyanoalkyl radical,

and  $R^2$  represents a hydrogen atom, an alkyl, aminoalkyl, alkoxyalkyl, cycloalkyl, cycloalkylalkyl, trifluoromethylalkyl or  $-(CH_2)_g-NHCOR^{71}$  radical, or also one of the  
25 aralkyl or heteroarylalkyl radicals optionally substituted on the aryl or heteroaryl group by one or more the groups chosen independently from the group composed of a halogen atom and an alkyl, alkoxy, hydroxy, cyano, nitro, amino, alkylamino or dialkylamino radical,

30  $R^{70}$  and  $R^{71}$  representing independently an alkyl or alkoxy radical;

or  $R^1$  and  $R^2$ , taken together with the carbon atom which carries them, form a carbocycle with 3 to 7 members;

B represents a hydrogen atom, an alkyl radical, a  $-(CH_2)_g-Z^3R^{44}$  radical or a carbocyclic aryl radical optionally substituted 1 to 3 times by the radicals chosen from the group composed of a halogen atom, a linear or branched alkyl or alkoxy radical containing 1 to 6 carbon atoms, a hydroxy, cyano or nitro radical, an amino, alkylamino or dialkylamino radical and a carbocyclic aryl radical,  
 5  $Z^3$  representing a bond,  $-O-$ ,  $-NR^{45}-$  or  $-S-$ ,

$R^{44}$  and  $R^{45}$  representing, independently, a hydrogen atom or an alkyl, alkenyl, alkynyl, allenyl, allenylalkyl or cyanoalkyl radical;

$\Omega$  represents one of the  $NR^{46}R^{47}$  or  $OR^{48}$  radicals, in which:

10  $R^{46}$  and  $R^{47}$  represent, independently, a hydrogen atom or an alkyl, cycloalkyl, cycloalkylalkyl, alkenyl, alkynyl, allenyl, allenylalkyl, cyanoalkyl,  $-(CH_2)_g-Z^4R^{50}$ ,  $-(CH_2)_k-COR^{51}$ ,  $-(CH_2)_k-COOR^{51}$ ,  $-(CH_2)_k-CONHR^{51}$  or  $-SO_2R^{51}$  radical, or also a radical chosen from the aryl, aralkyl, aryloxyalkyl, arylcarbonyl, arylimino, aralkylcarbonyl, heteroaryl and in particular pyridinyl, pyridinylalkyl or  
 15 pyridinylcarbonyl radicals, the aryl or heteroaryl group of said aryl, aralkyl, aryloxyalkyl, arylcarbonyl, arylimino, aralkylcarbonyl, heteroaryl, pyridinylalkyl or pyridinylcarbonyl radicals being optionally substituted by one or more of the substituents chosen independently from halogen, alkyl, alkoxy, hydroxy, nitro, cyano, cyanoalkyl, amino, alkylamino, dialkylamino,  $-(CH_2)_k-Z^5R^{50}$ ,  $-(CH_2)_k-COR^{51}$  and  
 20  $-(CH_2)_k-COOR^{51}$ ,

$Z^4$  and  $Z^5$  representing a bond,  $-O-$ ,  $-NR^{52}-$  or  $-S-$ ,

or  $R^{46}$  and  $R^{47}$  taken together form with the nitrogen atom a non-aromatic heterocycle with 4 to 8 members, the elements of the chain being chosen from a group composed of  $-CH(R^{53})-$ ,  $-NR^{54}-$ ,  $-O-$ ,  $-S-$  and  $-CO-$ ,

25  $R^{50}$  and  $R^{52}$ , representing, independently each time that they occur, a hydrogen atom or an alkyl, alkenyl, alkynyl, allenyl, allenylalkyl or cyanoalkyl radical,

$R^{51}$  representing, independently each time that they occur, a hydrogen atom, one of the cycloalkyl or cycloalkylalkyl radicals in which the cycloalkyl radical contains 3 to 7 carbon atoms, a linear or branched alkyl radical containing 1 to 8 carbon atoms, an  
 30 alkenyl, alkynyl, allenyl, allenylalkyl, cyanoalkyl, alkoxyalkyl or  $NR^{58}R^{59}$  radical, or also an aryl or aralkyl radical, said aryl or aralkyl radical being able to be substituted by one or more of the substituents chosen independently from a halogen atom and an alkyl or alkoxy radical,

$R^{58}$  and  $R^{59}$  representing, independently, a hydrogen atom or an alkyl, alkenyl, alkynyl,  
 35 allenyl, allenylalkyl or cyanoalkyl radical,

$R^{53}$  and  $R^{54}$  representing, independently, a hydrogen atom or a  $-(CH_2)_k-Z^7R^{60}$  or  $-(CH_2)_k-COR^{61}$  radical,

$Z^7$  representing a bond,  $-O-$ ,  $-NR^{62}-$  or  $-S-$ ,

$R^{60}$  and  $R^{62}$  representing, independently, a hydrogen atom or an alkyl, alkenyl, allenyl, allenylalkyl, alkynyl, cyanoalkyl, aryl, aralkyl, arylcarbonyl, aralkylcarbonyl, pyridinyl, pyridinylalkyl or pyridinylcarbonyl radical, the aryl or pyridinyl group of the aryl, aralkyl, arylcarbonyl, aralkylcarbonyl, pyridinyl, pyridinylalkyl or pyridinylcarbonyl radicals being optionally substituted by one or more substituents chosen from the group constituted by the alkyl, halogen, nitro, alkoxy, cyano, cyanoalkyl,  $-(CH_2)_k-Z^8R^{63}$  and  $-(CH_2)_k-COR^{64}$  radicals,

$R^{61}$  representing a hydrogen atom, an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl, cyanoalkyl, alkoxy or  $NR^{65}R^{66}$  radical,

$R^{65}$  and  $R^{66}$  representing, independently, a hydrogen atom or an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl or cyanoalkyl radical,

$Z^8$  representing a bond,  $-O-$ ,  $-NR^{67}-$  or  $-S-$ ,

$R^{63}$  and  $R^{67}$  representing, independently, a hydrogen atom, an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl or cyanoalkyl radical

$R^{64}$  representing a hydrogen atom, an alkyl, allenylalkyl, alkenyl, alkenyl, alkynyl, cyanoalkyl, alkoxy or  $NR^{68}R^{69}$  radical,

$R^{68}$  and  $R^{69}$  representing, independently, a hydrogen atom or an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl or cyanoalkyl radical,

and  $R^{48}$  represents a hydrogen atom or an alkyl, alkynyl or cyanoalkyl radical;

g and p, each time that they occur, being independently integers from 1 to 6, and k and n, each time that they occur, being independently integers from 0 to 6;

it being understood that when Het is such that the compound of general formula (II) corresponds to the compound of general sub-formula (II)<sub>4</sub>, then:

A represents the 4-hydroxy-2,3-di-tertbutyl-phenyl radical;

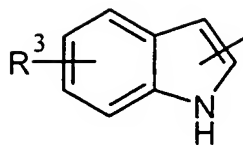
B,  $R^1$  and  $R^2$  all represent H; and finally

$\Omega$  represents OH;

it being also understood that at least one of the following characteristics must be present:

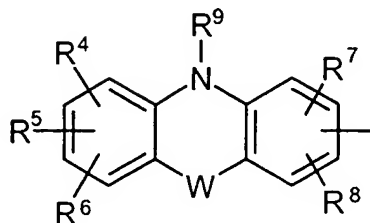
- Het is a thiazole, oxazole or isoxazoline ring, and

A represents a



radical in which  $R^3$  represents a hydrogen atom, the OH group or an alkoxy or alkyl radical,

or A represents a

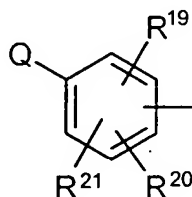


radical in which  $R^4$ ,  $R^5$ ,  $R^6$ ,  $R^7$  and  $R^8$  represent, independently, a hydrogen atom, a halogen, the OH group or an alkyl, alkoxy, cyano, nitro or  $NR^{10}R^{11}$  radical,  $R^{10}$  and  $R^{11}$  representing, independently, a hydrogen atom or an alkyl radical

$R^9$  represents a hydrogen atom or an alkyl radical,

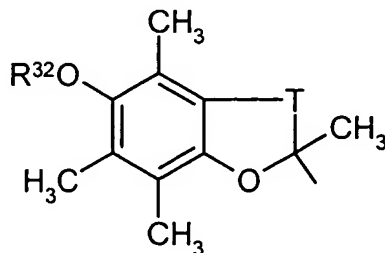
and W doesn't exist, or represents a bond, or -O-, -S- or  $-NR^{18}-$ , in which  $R^{18}$  represents a hydrogen atom or an alkyl radical,

or A represents a



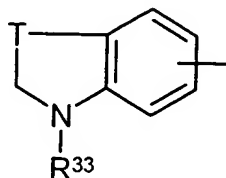
radical in which Q represents OH or Q represents a phenyl radical substituted by an OH radical and one or more of the radicals chosen independently from a halogen atom and an OH, alkyl, alkoxy or  $-NR^{10}R^{11}$  radical in which  $R^{10}$  and  $R^{11}$  represent independently a hydrogen atom or an alkyl radical,

or also A represents a



radical in which  $R^{32}$  represents a hydrogen atom or an alkyl radical and T represents a  $-(CH_2)_m-$  radical with  $m = 1$  or  $2$ ,

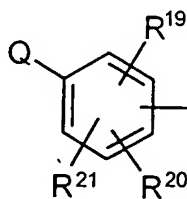
or finally A represents a



radical in which the radical  $R^{33}$  represents a hydrogen atom or an alkyl,  
 5  $-\Sigma-NR^{34}R^{35}$  or  $-\Sigma-CHR^{36}R^{37}$  radical,  $\Sigma$  representing a linear or branched alkylene  
 radical containing 1 to 6 carbon atoms,  $R^{34}$  and  $R^{35}$  representing, independently, a  
 hydrogen atom or an alkyl radical,  $R^{36}$  and  $R^{37}$  representing, independently, a  
 hydrogen atom or a carbocyclic or heterocyclic aryl radical optionally substituted by  
 one or more substituents chosen from the alkyl, OH, halogen, nitro, alkoxy or  
 10  $NR^{10}R^{11}$  radicals,  $R^{10}$  and  $R^{11}$  representing, independently, a hydrogen atom, an  
 alkyl radical, or  $R^{10}$  and  $R^{11}$  forming together with the nitrogen atom an optionally  
 substituted heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including  
 the nitrogen atom already present, the additional heteroatoms being chosen  
 independently from the group constituted by the O, N and S atoms, said heterocycle  
 15 being able to be for example azetidine, pyrrolidine, piperidine, piperazine,  
 morpholine or thiomorpholine,  
 and T represents a  $-(CH_2)_m-$  radical with  $m = 1$  or  $2$ ;

- Het is an imidazole ring,

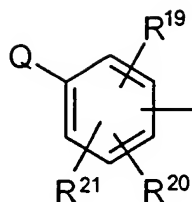
A represents a



20 radical in which Q represents OH,

and  $\Omega$  represents  $NR^{46}R^{47}$  in which  $R^{46}$  or  $R^{47}$  represents an aminophenyl,  
 nitrophenyl, aminophenylcarbonyl, nitrophenylcarbonyl, aminophenylalkyl or  
 nitrophenylalkyl radical;

- A represents a



radical B represents a carbocyclic aryl radical optionally substituted 1 to 3 times by the radicals chosen from the group composed of a halogen atom, a linear or branched alkyl or alkoxy radical containing 1 to 6 carbon atoms, a hydroxy, cyano or nitro radical, an amino, alkylamino or dialkylamino radical and a carbocyclic aryl radical,

and one of  $R^1$  and  $R^2$  represents one of the optionally substituted arylalkyl or heteroarylalkyl radicals;

A represents a cycloalkyl or cycloalkylalkyl radical;

- $\Omega$  represents  $NR^{46}R^{47}$  and one of  $R^{46}$  and  $R^{47}$  represents an alkenyl, allenyl, allenylalkyl, alkynyl, cyanoalkyl or hydroxyalkyl radical;
- one of  $R^1$  and  $R^2$  represents a cycloalkyl or cycloalkylalkyl radical;
- none of  $R^1$  and  $R^2$  represents H;
- $n = 1$  and A represents a biphenyl, phenoxyphenyl, phenylthiophenyl, phenylcarbonylphenyl or phenylsulphonylphenyl radical;
- when Het is a thiazole ring and  $\Omega$  represents the  $OR^{48}$  radical in which  $R^{48}$  is a cyanoalkyl radical, then the cyano group is not attached to the carbon atom immediately adjacent to the oxygen atom;

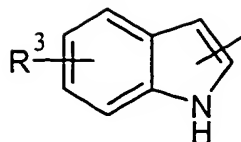
or a pharmaceutically acceptable salt thereof and a pharmaceutically acceptable carrier.

Claim 17 (amended) A composition of claim 16 wherein

i.  $n = 0$ ,

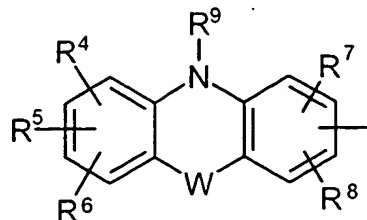
Het is an oxazole, thiazole or isoxazoline ring

A represents a



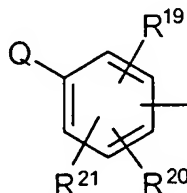
radical in which  $R^3$  represents a hydrogen atom, the OH group or an alkoxy or alkyl radical,

or A represents a



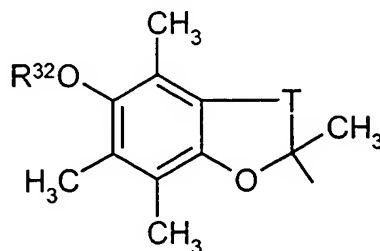
radical in which  $R^4$ ,  $R^5$ ,  $R^6$ ,  $R^7$ ,  $R^8$  and  $R^9$  represent hydrogen atoms and W doesn't exist, or represents a bond, or -O-, -S- or -NR<sup>18</sup>- in which  $R^{18}$  represents a hydrogen atom or an alkyl radical,

or A represents a



radical in which Q represents OH and two of the  $R^{19}$ ,  $R^{20}$  and  $R^{21}$  radicals represent alkyl radicals,

or also A represents a



radical in which  $R^{32}$  represents a hydrogen atom or an alkyl radical and T represents  $-(CH_2)_2-$ ,

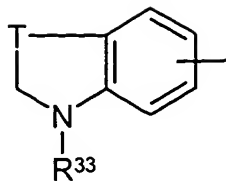
or finally A represents a

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radical in which the  $R^{33}$  radical represents a hydrogen atom or a  $-\Sigma-NR^{34}R^{35}$  radical,  $\Sigma$  representing a linear or branched alkylene radical containing 1 to 6 carbon atoms, and  $R^{34}$  and  $R^{35}$  representing, independently, a hydrogen atom or an alkyl radical,

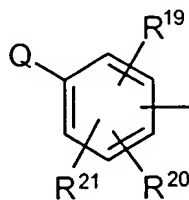
5 B represents H,

$R^1$  and  $R^2$  represent, independently, a hydrogen atom or an alkyl radical,

and  $\Omega$  represents an  $NR^{46}R^{47}$  radical in which one of  $R^{46}$  and  $R^{47}$  represents an alkenyl, allenyl, allenylalkyl, alkynyl, cyanoalkyl or hydroxyalkyl radical and the other represents a hydrogen atom or an alkyl radical; or

10 ii.  $n = 0$ ,

A represents a



radical in which Q represents a hydrogen atom or an  $-OR^{22}$  or  $-SR^{22}$  radical in which  $R^{22}$  represents an alkyl radical or an aryl radical optionally substituted by one or more substituents chosen from the alkyl, OH, halogen, nitro and alkoxy radicals,

15  $R^{19}$ ,  $R^{20}$  and  $R^{21}$  represent, independently, a hydrogen, a halogen, an  $SR^{26}$  radical, or an alkyl, cycloalkyl, alkenyl, alkoxy, cyano, nitro,  $-SO_2NHR^{49}$ ,  $-CONHR^{55}$ ,  $-S(O)_qR^{56}$ ,  $-NH(CO)R^{57}$ ,  $-CF_3$ ,  $-OCF_3$  or  $NR^{27}R^{28}$  radical,  $R^{26}$  representing an alkyl radical,

20  $R^{27}$  and  $R^{28}$  representing, independently, a hydrogen atom or an alkyl radical or  $R^{27}$  and  $R^{28}$  forming together with nitrogen atom which carries them a heterocycle with 5 to 6 members chosen from  $-CH_2-$ ,  $-NH-$  and  $-O-$ ,

$R^{49}$  and  $R^{55}$  representing, independently each time that they occur, a hydrogen atom or an alkyl or alkylcarbonyl radical,

q representing an integer from 0 to 2,

25  $R^{56}$  and  $R^{57}$  representing, independently each time that they occur, a hydrogen atom or an alkyl or alkoxy radical,



and one of  $R^1$  and  $R^2$  represents a cycloalkyl or cycloalkylalkyl radical or any of  $R^1$  and  $R^2$  do not represent a hydrogen atom; or finally

iii.  $n = 1$ ,

A represents an optionally substituted biphenyl radical or the cyclohexylphenyl radical,

B represents a hydrogen atom,

$R^1$  and  $R^2$  each represent a hydrogen atom,

and  $\Omega$  represents an  $NR^{46}R^{47}$  radical in which  $R^{46}$  represents a  $-COOR^{51}$  radical,  $R^{51}$  representing an alkyl, cycloalkyl, cycloalkylalkyl or alkoxyalkyl radical and  $R^{47}$  representing a hydrogen atom.

claim 18 (amended) A composition of claim 16 wherein the compound is selected from the group consisting of

- 4-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-N-methyl-2-thiazolemethanamine;
- 2,6-di(tert-butyl)-4-(2-{[methyl(2-propynyl)amino]methyl}-1,3-thiazol-4-yl)phenol;
- 2-[(4-[3,5-di(tert-butyl)-4-hydroxyphenyl]-1,3-thiazol-2-yl)methyl](methyl)amino]acetonitrile;
- 5-[(4-[3,5-di(tert-butyl)-4-hydroxyphenyl]-1,3-thiazol-2-yl)methyl](methyl)amino]pentanenitrile;
- 6-[(4-[3,5-di(tert-butyl)-4-hydroxyphenyl]-1,3-thiazol-2-yl)methyl](methyl)amino]hexanenitrile;
- 2,6-di(tert-butyl)-4-(2-{[(2-hydroxyethyl)(methyl)amino]methyl}-1,3-thiazol-4-yl)phenol;
- 4-(2-{[benzyl(methyl)amino]methyl}-1,3-thiazol-4-yl)-2,6-di(tert-butyl)phenol;
- 2,6-di(tert-butyl)-4-{2-[(methyl-4-nitroanilino)methyl]-1,3-thiazol-4-yl}phenol;
- 2,6-di(tert-butyl)-4-(2-{[4-(dimethylamino)(methyl)anilino]methyl}-1,3-thiazol-4-yl)phenol;
- benzyl {4-[3,5-di(tert-butyl)-4-hydroxyphenyl]-1,3-thiazol-2-yl}methylcarbamate;
- 4-[2-(aminomethyl)-1,3-thiazol-4-yl]-2,6-di(tert-butyl)phenol;
- 2,6-di(tert-butyl)-4-(2-{[methyl(4-nitrobenzyl)amino]methyl}-1,3-thiazol-4-yl)phenol;

- 4-(2-{{(4-aminobenzyl)(methyl)amino}methyl}-1,3-thiazol-4-yl)-2,6-di(tert-butyl)-phenol;
- 2,6-di(tert-butyl)-4-(2-{{(4-nitrobenzyl)amino}methyl}-1,3-thiazol-4-yl)phenol;
- 4-(2-{{(4-aminobenzyl)amino}methyl}-1,3-thiazol-4-yl)-2,6-di(tert-butyl)phenol;
- 5 - 4-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-N-methyl-N-(4-aminophenyl)-2-thiazolemethanamine;
- 4-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-N-methyl-N-(4-nitrophenyl)-1*H*-imidazole-2-methanamine;
- 4-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-N-methyl-N-(4-aminophenyl)-1*H*-imidazole-2-methanamine;
- 10 - 4-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-N-methyl-N-(4-nitrobenzoyl)-1*H*-imidazole-2-methanamine;
- 4-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-N-methyl-N-(4-aminobenzoyl)-1*H*-imidazole-2-methanamine;
- 15 - 3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-4,5-dihydro-5-isoxazoleethanol;
- 2-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-4-oxazoleethanol;
- 4-{{[4-(3,5-ditert-butyl-4-hydroxyphenyl)-1,3-thiazol-2-yl]methyl}(methyl)amino]-butanenitrile;
- 2,6-ditert-butyl-4-(2-{{(3-nitrobenzyl)amino}methyl}-1,3-thiazol-4-yl)phenol;
- 20 - 2,6-ditert-butyl-4-(4-{2-[methyl(2-propynyl)amino]ethyl}-1,3-oxazol-2-yl)phenol;
- {{2-[2-(3,5-ditert-butyl-4-hydroxyphenyl)-1,3-oxazol-4-yl]ethyl}(methyl)amino]aceto-nitrile;
- 3-{{2-[2-(3,5-ditert-butyl-4-hydroxyphenyl)-1,3-oxazol-4-yl]ethyl}(methyl)amino]-propanenitrile;
- 25 - 2,6-ditert-butyl-4-{4-[2-(1-piperaziny)ethyl]-1,3-oxazol-2-yl}phenol;
- N-methyl[4-(1*H*-phenothiazin-2-yl)-1,3-thiazol-2-yl]methanamine;
- 1-methyl-1-(4-phenyl-1*H*-imidazol-2-yl)ethylamine;
- *N*-[2-(4-[1,1'-biphenyl]-4-yl)-1*H*-imidazol-2-yl]ethyl]-3,3-dimethylbutanamide;
- (*S*)-cyclohexyl(4-phenyl-1*H*-imidazol-2-yl)methylamine;
- 30 - *N*-[1-(4-cyclohexyl-1*H*-imidazol-2-yl)heptyl]cyclohexanamine;
- *N*-[(*S*)-cyclohexyl(4-cyclohexyl-1*H*-imidazol-2-yl)methyl]-cyclohexanamine;

- *N*-[(*S*)-cyclohexyl(4-phenyl-1*H*-imidazol-2-yl)methyl]-cyclobutanamine;
- *N*-{(*S*)-cyclohexyl[4-(3-fluoro-4-methoxyphenyl)-1*H*-imidazol-2-yl]methyl}-cyclobutanamine;
- *N*-((*S*)-cyclohexyl{4-[4-(trifluoromethyl)phenyl]-1*H*-imidazol-2-yl}methyl)-cyclobutanamine;
- 5 - *N*-{(*S*)-cyclohexyl[4-(3-fluorophenyl)-1*H*-imidazol-2-yl]methyl}-cyclobutanamine;
- butyl 2-[4-(4-piеноxyphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
- *N*-((*S*)-cyclohexyl{4-[4-(methylsulphonyl)phenyl]-1*H*-imidazol-2-yl}methyl)-cyclohexanamine;
- 10 - (1*R*)-1-(4,5-diphenyl-1*H*-imidazol-2-yl)-2-(1*H*-indol-3-yl)ethanamine;
- (1*R*)-*N*-benzyl-1-(4,5-diphenyl-1*H*-imidazol-2-yl)-2-(1*H*-indol-3-yl)ethanamine;
- *tert*-butyl 1-(4-phenyl-1*H*-imidazol-2-yl)cyclohexylcarbamate;
- 1-(4-phenyl-1*H*-imidazol-2-yl)cyclohexanamine;
- *N*-benzyl-1-(4-phenyl-1*H*-imidazol-2-yl)cyclohexanamine;
- 15 - *tert*-butyl 1-methyl-1-(4-phenyl-1*H*-imidazol-2-yl)ethylcarbamate;
- *tert*-butyl (1*R*)-2-cyclohexyl-1-(4-phenyl-1*H*-imidazol-2-yl)ethylcarbamate;
- (1*R*)-2-cyclohexyl-1-(4-phenyl-1*H*-imidazol-2-yl)ethanamine;
- (1*R*)-*N*-benzyl-2-cyclohexyl-1-(4-phenyl-1*H*-imidazol-2-yl)ethanamine;
- *N*-benzyl-2-(4-phenyl-1*H*-imidazol-2-yl)-2-propanamine;
- 20 - *tert*-butyl (1*S*)-1-(4,5-diphenyl-1*H*-imidazol-2-yl)-2-(1*H*-indol-3-yl)ethylcarbamate;
- 4-(2-{(1*R*)-1-[(*tert*-butoxycarbonyl)amino]-2-cyclohexylethyl}-1*H*-imidazol-4-yl)-1,1'-biphenyl;
- (1*R*)-1-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)-2-cyclohexylethanamine;
- 2-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)ethanamine;
- 25 - *N*-benzyl-2-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)ethanamine;
- (1*R*)-*N*-benzyl-1-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)-2-cyclohexylethanamine;
- 4-(2-{3-[(*tert*-butoxycarbonyl)amino]propyl}-1*H*-imidazol-4-yl)-1,1'-biphenyl;
- 4-[2-(2-{[(*tert*-butylamino)carbothioyl]amino}ethyl)-1*H*-imidazol-4-yl]-1,1'-biphenyl;
- *tert*-butyl 6-(4-phenyl-1*H*-imidazol-2-yl)hexylcarbamate;

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- (*S*)-cyclohexyl-*N*-(cyclohexylmethyl)(4-phenyl-1*H*-imidazol-2-yl)methanamine;
- (*R,S*)-*N*-{cyclopropyl[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]methyl}cyclohexanamine;
- (*S*)-cyclohexyl-*N*-(cyclopropylmethyl)(4-phenyl-1*H*-imidazol-2-yl)methanamine;
- butyl 2-[4-(4-cyclohexylphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
- 5 - 4-[2-(2-{[(cyclohexyloxy)carbonyl]amino}ethyl)-1*H*-imidazol-4-yl]-1,1'-biphenyl;
- *N*-((*S*)-cyclohexyl{4-[4-(trifluoromethoxy)phenyl]-1*H*-imidazol-2-yl}methyl)-cyclobutanamine;
- 4-[2-(2-{[(cyclopentyloxy)carbonyl]amino}ethyl)-1*H*-imidazol-4-yl]-1,1'-biphenyl;
- (*S*)-cyclohexyl-*N*-(cyclopropylmethyl)[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]-methanamine;
- 10 - (*R,S*)-*N*-{cyclopentyl[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]methyl}cyclobutanamine;
- *N*-{(*S*)-cyclohexyl[4-(4-cyclohexylphenyl)-1*H*-imidazol-2-yl]methyl}cyclobutanamine;
- *N*-((*S*)-cyclohexyl{4-[4-(trifluoromethyl)phenyl]-1*H*-imidazol-2-yl}methyl)-cyclobutanamine;
- 15 - butyl 2-[4-(2,3-dihydro-1,4-benzodioxin-6-yl)-1*H*-imidazol-2-yl]ethylcarbamate;
- *N*-{(*S*)-cyclohexyl[4-(4-fluorophenyl)-1-methyl-1*H*-imidazol-2-yl]methyl}-cyclohexanamine;
- cyclohexylmethyl 2-(4-[1,1'-biphenyl]-4-yl)-1*H*-imidazol-2-yl)ethylcarbamate;
- 20 - 4-bromo-4'-(2-{2-[(butoxycarbonyl)amino]ethyl}-1*H*-imidazol-4-yl)-1,1'-biphenyl;
- *N*-{(*S*)-cyclohexyl[4-(4-methylsulphonylphenyl)-1*H*-imidazol-2-yl]methyl}-cyclohexanamine;
- *N*-{(*S*)-cyclohexyl[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]methyl}cyclohexanamine;
- *N*-[(*S*)-{4-[3,5-bis(trifluoromethyl)phenyl]-1*H*-imidazol-2-yl}(cyclohexyl)methyl]-cyclohexanamine;
- 25 - cyclobutylmethyl 2-(4-[1,1'-biphenyl]-4-yl)-1*H*-imidazol-2-yl)ethylcarbamate;
- cyclobutylmethyl 2-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
- *N*-{(*S*)-cyclohexyl[4-(3,4-difluorophenyl)-1*H*-imidazol-2-yl]methyl}cyclohexanamine;
- 30 - 4-[2-(2-{[(2-methoxyethoxy)carbonyl]amino}ethyl)-1*H*-imidazol-4-yl]-1,1'-biphenyl;

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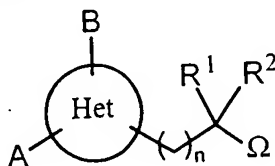
- (S)-1-[4-(3-bromophenyl)-1*H*-imidazol-2-yl]-1-cyclohexyl-*N*-(cyclohexylmethyl)-methanamine;
- 4-(2-((S)-cyclohexyl[(cyclohexylmethyl)amino]methyl)-1*H*-imidazol-4-yl)-*N,N*-diethylaniline;
- 5 - 2,6-di*tert*-butyl-4-(2-((S)-cyclohexyl[(cyclohexylmethyl)amino]methyl)-1*H*-imidazol-4-yl)phenol;
- 4-{2-[(S)-cyclohexyl(cyclohexylamino)methyl]-1*H*-imidazol-4-yl}-*N,N*-diethylaniline;
- (S)-1-cyclohexyl-*N*-(cyclohexylmethyl)-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]methanamine;
- 10 - butyl 2-[4-(4-*tert*-butylphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
- (S)-1-cyclohexyl-*N*-(cyclohexylmethyl)-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]methanamine;
- *N*-((S)-cyclohexyl{4-[4-(trifluoromethyl)phenyl]-1*H*-imidazol-2-yl}methyl)cyclohexanamine;
- 15 - *N*-[(S)-[4-(3-bromophenyl)-1*H*-imidazol-2-yl](cyclohexyl)methyl]cyclohexanamine;
- butyl 2-[4-(4-bromophenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
- butyl 2-{4-[4-(trifluoromethyl)phenyl]-1*H*-imidazol-2-yl}ethylcarbamate;
- *N*-{(S)-cyclohexyl[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]methyl}cycloheptanamine;
- 20 - cyclohexylmethyl 2-[4-(4-*tert*-butylphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
- cyclohexylmethyl 2-[4-(4'-bromo-1,1'-biphenyl-4-yl)-1*H*-imidazol-2-yl]ethylcarbamate;
- *N*-((S)-cyclohexyl{4-[3-(trifluoromethyl)phenyl]-1*H*-imidazol-2-yl}methyl)-cyclohexanamine;
- 25 - (S)-1-cyclohexyl-*N*-(cyclohexylmethyl)-1-{4-[3-(trifluoromethyl)phenyl]-1*H*-imidazol-2-yl}methanamine;
- (S)-1-[4-(3-bromophenyl)-1*H*-imidazol-2-yl]-1-cyclohexyl-*N*-(cyclohexylmethyl)-methanamine;
- (S)-1-cyclohexyl-*N*-(cyclohexylmethyl)-1-{4-[3-(trifluoromethyl)phenyl]-1*H*-imidazol-2-yl}methanamine;
- 30 - (1*R*)-2-cyclohexyl-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]ethanamine;

- *N*-{(1*R*)-2-cyclohexyl-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]ethyl}-cyclohexanamine;
- 4-{2-[(*S*)-amino(cyclohexyl)methyl]-1*H*-imidazol-4-yl}-*N,N*-diethylaniline;
- (*S*)-1-cyclohexyl-1-[4-(3-fluorophenyl)-1*H*-imidazol-2-yl]methanamine;
- 5 - (*S*)-1-cyclohexyl-*N*-(cyclohexylmethyl)-1-[4-(3-fluorophenyl)-1*H*-imidazol-2-yl]methanamine;
- butyl 2-[4-(4-pyrrolidin-1-ylphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
- *N*-{(*S*)-cyclohexyl[4-(3-fluorophenyl)-1*H*-imidazol-2-yl]methyl}cyclohexanamine;
- *N*-{(1*R*)-2-cyclohexyl-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]ethyl}-cyclohexanamine;
- 10 - 4-{2-[(*S*)-amino(cyclohexyl)methyl]-1*H*-imidazol-4-yl}-2,6-*di**tert*-butylphenol;
- (*R*)-1-cyclohexyl-*N*-(cyclohexylmethyl)-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]methanamine;
- 2,6-*di**tert*-butyl-4-[4-(hydroxymethyl)-1,3-thiazol-2-yl]phenol;
- 15 - *meta*-[4-(2,3-dihydro-1*H*-indol-6-yl)-1,3-thiazol-2-yl]-*N*-methylmethanamine;
- 2,5,7,8-tetramethyl-2-{2-[(methylamino)methyl]-1,3-thiazol-4-yl}-6-chroman-ol;
- *N*-{[4-(9*H*-carbazol-2-yl)-1,3-thiazol-2-yl]methyl}-*N*-methylamine;
- 3,5-*di**tert*-butyl-4'-{2-[(methylamino)methyl]-1,3-thiazol-4-yl}-1,1'-biphenyl-4-ol;
- (1*R*)-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]-2-phenylethanamine;
- 20 - cyclohexylmethyl 2-{4-[4-(diethylamino)phenyl]-1*H*-imidazol-2-yl}ethylcarbamate;
- cyclohexylmethyl 2-[4-(4-pyrrolidin-1-ylphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
- (1*R*)-*N*-(cyclohexylmethyl)-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]-2-phenylethanamine;
- cyclohexylmethyl 2-[4-(3,5-*di**tert*-butyl-4-hydroxyphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
- 25 - butyl 2-[4-(3,5-*di**tert*-butyl-4-hydroxyphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
- 2,6-dimethoxy-4-{2-[(methylamino)methyl]-1,3-thiazol-4-yl}phenol;
- 2,6-diisopropyl-4-{2-[(methylamino)methyl]-1,3-thiazol-4-yl}phenol;
- 4-{2-[(methylamino)methyl]-1,3-thiazol-4-yl}phenol;
- 30 - 2,6-*di**tert*-butyl-4-[2-(hydroxymethyl)-1,3-thiazol-4-yl]phenol;

- N-([4-(4-anilinophenyl)-1,3-thiazol-2-yl]methyl)-N-methylamine;
- 2,6-ditert-butyl-4-[2-[(dimethylamino)methyl]-1,3-thiazol-4-yl]phenol;
- cyclobutylmethyl 2-[4-(4'-bromo-1,1'-biphenyl-4-yl)-1*H*-imidazol-2-yl]ethylcarbamate;
- isobutyl 2-[4-(4'-bromo-1,1'-biphenyl-4-yl)-1*H*-imidazol-2-yl]ethylcarbamate;
- isobutyl 2-[4-(4-tert-butylphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
- 2-[4-(4-tert-butylphenyl)-1*H*-imidazol-2-yl]ethylcarbamate cyclobutylmethyl;
- cyclohexyl 2-[4-(4'-bromo-1,1'-biphenyl-4-yl)-1*H*-imidazol-2-yl]ethylcarbamate;
- cyclohexyl 2-[4-(4-tert-butylphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
- 3-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]propan-1-amine;
- 4,4,4-trifluorobutyl 2-[4-(4'-bromo-1,1'-biphenyl-4-yl)-1*H*-imidazol-2-yl]ethylcarbamate;
- 4,4,4-trifluorobutyl 2-[4-(1,1'-biphenyl-4-yl)-1*H*-imidazol-2-yl]ethylcarbamate;
- 2,6-ditert-butyl-4-[4-[(methylamino)methyl]-1,3-thiazol-2-yl]phenol;
- 2,6-ditert-butyl-4-[2-(piperidin-1-ylmethyl)-1,3-thiazol-4-yl]phenol;
- 2,6-ditert-butyl-4-[2-[(4-methylpiperazin-1-yl)methyl]-1,3-thiazol-4-yl]phenol;
- 2,6-ditert-butyl-4-[2-(piperazin-1-ylmethyl)-1,3-thiazol-4-yl]phenol;

or a pharmaceutically acceptable salt thereof.

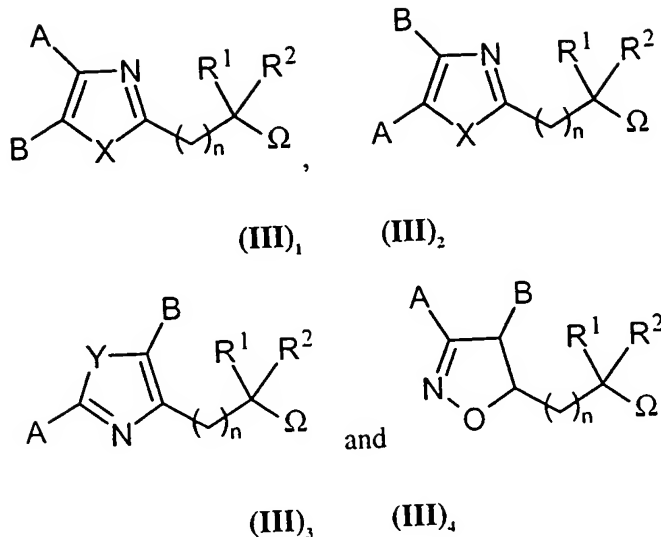
Claim 19 (amended) A compound of the formula



(III)

in the racemic, enantiomeric form or any combinations of these forms, in which Het is a heterocycle with 5 members comprising 2 heteroatoms and wherein the sub-formulae is selected from the group consisting of

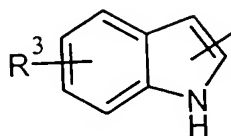




in which

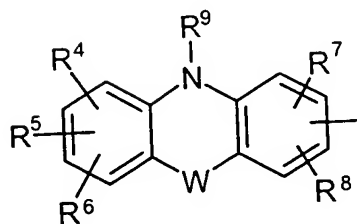
A represents

either a



radical in which  $R^3$  represents a hydrogen atom, the OH group or an alkoxy or alkyl radical,

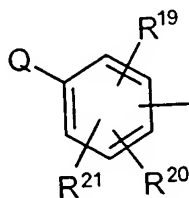
or a



radical in which  $R^4$ ,  $R^5$ ,  $R^6$ ,  $R^7$  and  $R^8$  represent, independently, a hydrogen atom, a halogen, the OH group or an alkyl, alkoxy, cyano, nitro or  $NR^{10}R^{11}$  radical,  $R^{10}$  and  $R^{11}$  representing, independently, a hydrogen atom, an alkyl radical or a  $-COR^{12}$  group, or  $R^{10}$  and  $R^{11}$  forming together with the nitrogen atom an optionally substituted heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms,

- $R^{12}$  representing a hydrogen atom or an alkyl, alkoxy or  $NR^{13}R^{14}$  radical,  
 $R^{13}$  and  $R^{14}$  representing independently a hydrogen atom or an alkyl radical, or  $R^{13}$  and  
 $R^{14}$  forming together with the nitrogen atom an optionally substituted heterocycle  
 containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already  
 5 present, the additional heteroatoms being chosen independently from the group  
 constituted by the O, N and S atoms,  
 $R^9$  represents a hydrogen atom, an alkyl radical or a  $-COR^{15}$  group,  
 $R^{15}$  representing a hydrogen atom or an alkyl, alkoxy or  $NR^{16}R^{17}$  radical,  
 $R^{16}$  and  $R^{17}$  representing, independently, a hydrogen atom or an alkyl radical, or  $R^{16}$   
 10 and  $R^{17}$  forming together with the nitrogen atom an optionally substituted heterocycle  
 containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already  
 present, the additional heteroatoms being chosen independently from the group  
 constituted by the O, N and S atoms,  
 and W doesn't exist, or represents a bond, or  $-O-$ ,  $-S-$  or  $-NR^{18}-$ , in which  $R^{18}$  represents  
 15 a hydrogen atom or an alkyl radical;

or a



- radical in which Q represents H,  $-OR^{22}$ ,  $-SR^{22}$ ,  $-NR^{23}R^{24}$ , a phenyl radical optionally  
 substituted by one or more of the substituents chosen independently from a halogen  
 atom, an OH, cyano, nitro, alkyl, alkoxy or  $-NR^{10}R^{11}$  radical and a group of two  
 20 substituents together representing a methylenedioxy or ethylenedioxy radical, or also Q  
 represents a  $-COPh$ ,  $-SO_2Ph$  or  $-CH_2Ph$  radical, said  $-COPh$ ,  $-SO_2Ph$  or  $-CH_2Ph$  radical  
 being optionally substituted on its aromatic part by one or more of the substituents  
 chosen independently from an alkyl or alkoxy radical and a halogen atom,  
 $R^{10}$  and  $R^{11}$  representing, independently, a hydrogen atom, an alkyl radical or a  $-COR^{12}$   
 25 group, or  $R^{10}$  and  $R^{11}$  forming together with the nitrogen atom an optionally substituted  
 heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen  
 atom already present, the additional heteroatoms being chosen independently from the  
 group constituted by the O, N and S atoms,  
 $R^{12}$  representing a hydrogen atom, an alkyl or alkoxy or  $NR^{13}R^{14}$  radical,  
 30  $R^{13}$  and  $R^{14}$  representing, independently, a hydrogen atom or an alkyl radical, or  $R^{13}$   
 and  $R^{14}$  forming together with the nitrogen atom an optionally substituted heterocycle

containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms,

R<sup>22</sup> representing a hydrogen atom, an alkyl radical or an aryl radical optionally substituted by one or more substituents chosen from the alkyl, OH, halogen, nitro and alkoxy radicals,

R<sup>23</sup> and R<sup>24</sup> representing, independently, a hydrogen atom, an alkyl radical or a -CO-R<sup>25</sup> radical,

R<sup>25</sup> representing an alkyl radical,

and R<sup>19</sup>, R<sup>20</sup> and R<sup>21</sup> represent, independently, a hydrogen, a halogen, the OH or SR<sup>26</sup> group, or an alkyl, cycloalkyl, alkenyl, alkoxy, cyano, nitro, -SO<sub>2</sub>NHR<sup>49</sup>, -CONHR<sup>55</sup>, -S(O)<sub>q</sub>R<sup>56</sup>, -NH(CO)R<sup>57</sup>, -CF<sub>3</sub>, -OCF<sub>3</sub> or NR<sup>27</sup>R<sup>28</sup> radical,

R<sup>26</sup> representing a hydrogen atom or an alkyl radical,

R<sup>27</sup> and R<sup>28</sup> representing, independently, a hydrogen atom, an alkyl radical or a -COR<sup>29</sup> group, or R<sup>27</sup> and R<sup>28</sup> forming together with the nitrogen atom an optionally substituted heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms,

R<sup>49</sup> and R<sup>55</sup> representing, independently each time that they occur, a hydrogen atom or an alkyl or alkylcarbonyl radical,

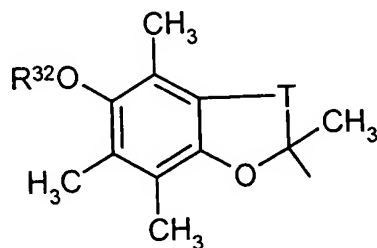
q representing an integer from 0 to 2,

R<sup>56</sup> and R<sup>57</sup> representing, independently each time that they occur, a hydrogen atom or an alkyl or alkoxy radical,

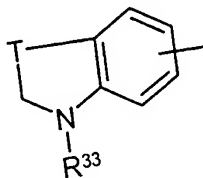
R<sup>29</sup> representing a hydrogen atom, an alkyl, alkoxy or -NR<sup>30</sup>R<sup>31</sup> radical,

R<sup>30</sup> and R<sup>31</sup> representing, independently, a hydrogen atom or an alkyl radical, or R<sup>30</sup> and R<sup>31</sup> forming together with the nitrogen atom an optionally substituted heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already present, the additional heteroatoms being chosen independently from the group constituted by the O, N and S atoms,

or a



radical in which  $R^{32}$  represents a hydrogen atom or an alkyl radical,  
and T represents a  $-(CH_2)_m-$  radical with  $m = 1$  or  $2$ ,  
or finally a



- 5 radical in which  $R^{33}$  represents a hydrogen atom or an alkyl,  $-\Sigma-NR^{34}R^{35}$  or  $-\Sigma-$   
 $CHR^{36}R^{37}$  radical,  
 $\Sigma$  representing a linear or branched alkylene radical containing 1 to 6 carbon atoms,  
 $R^{34}$  and  $R^{35}$  representing, independently, a hydrogen atom or an alkyl radical,  
 $R^{36}$  and  $R^{37}$  representing, independently, a hydrogen atom or a carbocyclic or  
 10 heterocyclic aryl radical optionally substituted by one or more substituents chosen from  
 the alkyl, OH, halogen, nitro, alkoxy or  $NR^{10}R^{11}$  radicals,  
 $R^{10}$  and  $R^{11}$  representing, independently, a hydrogen atom, an alkyl radical or a  $-COR^{12}$   
 group, or  $R^{10}$  and  $R^{11}$  forming together with the nitrogen atom an optionally substituted  
 heterocycle containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen  
 atom already present, the additional heteroatoms being chosen independently from the  
 15 group constituted by the O, N and S atoms,  
 $R^{12}$  representing a hydrogen atom or an alkyl, alkoxy or  $NR^{13}R^{14}$  radical,  
 $R^{13}$  and  $R^{14}$  representing, independently, a hydrogen atom or an alkyl radical, or  $R^{13}$   
 and  $R^{14}$  forming together with the nitrogen atom an optionally substituted heterocycle  
 containing 4 to 7 members and 1 to 3 heteroatoms including the nitrogen atom already  
 20 present, the additional heteroatoms being chosen independently from the group  
 constituted by the O, N and S atoms,  
 and T represents a  $-(CH_2)_m-$  radical with  $m = 1$  or  $2$ ,

or also A represents an alkyl, cycloalkyl or cycloalkylalkyl radical;

X represents S or  $NR^{38}$ ,

25  $R^{38}$  representing a hydrogen atom or an alkyl, cyanoalkyl, aralkyl, alkylcarbonyl or  
 aralkylcarbonyl radical,

Y represents O or S;

$R^1$  represents a hydrogen atom, an alkyl, aminoalkyl, alkoxyalkyl, cycloalkyl,  
 cycloalkylalkyl, trifluoromethylalkyl, alkenyl, allenyl, allenylalkyl, alkynyl, cyanoalkyl,

$-(CH_2)_g-Z^1R^{39}$ ,  $-(CH_2)_g-COR^{40}$ ,  $-(CH_2)_g-NHCOR^{70}$ , aryl, aralkyl, arylcarbonyl, heteroarylalkyl or aralkylcarbonyl radical, the aryl group of the aryl, aralkyl, arylcarbonyl, heteroarylalkyl or aralkylcarbonyl radicals being itself optionally substituted by one or more substituents chosen from the group constituted by the alkyl, halogen, alkoxy, nitro, cyano, cyanoalkyl, amino, alkylamino, dialkylamino,  $-(CH_2)_k-Z^2R^{39}$  or  $-(CH_2)_k-COR^{40}$  radicals,

$Z^1$  and  $Z^2$  representing a bond,  $-O-$ ,  $-NR^{41}-$  or  $-S-$ ,

$R^{39}$  and  $R^{41}$  representing, independently each time that they occur, a hydrogen atom or an alkyl, alkenyl, alkynyl or cyanoalkyl radical,

$R^{40}$  representing, independently each time that it occurs, a hydrogen atom or an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl, cyanoalkyl, alkoxy or  $NR^{42}R^{43}$  radical,

$R^{42}$  and  $R^{43}$  representing independently, independently each time that they occur, a hydrogen atom or an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl or cyanoalkyl radical, and  $R^2$  represents a hydrogen atom, an alkyl, aminoalkyl, alkoxyalkyl, cycloalkyl, cycloalkylalkyl, trifluoromethylalkyl or  $-(CH_2)_g-NHCOR^{71}$  radical, or also one of the aralkyl or heteroarylalkyl radicals optionally substituted on the aryl or heteroaryl group by one or more of the groups chosen independently from the group composed of a halogen atom and an alkyl, alkoxy, hydroxy, cyano, nitro, amino, alkylamino or dialkylamino radical,

$R^{70}$  and  $R^{71}$  representing independently an alkyl or alkoxy radical;

or  $R^1$  and  $R^2$ , taken together with the carbon atom which carries them, form a carbocycle with 3 to 7 members;

$B$  represents a hydrogen atom, an alkyl radical, a  $-(CH_2)_g-Z^3R^{44}$  radical or a carbocyclic aryl radical optionally substituted 1 to 3 times by the radicals chosen from the group composed of a halogen atom, a linear or branched alkyl or alkoxy radical containing 1 to 6 carbon atoms, a hydroxy, cyano or nitro radical, an amino, alkylamino or dialkylamino radical and a carbocyclic aryl radical,

$Z^3$  representing a bond,  $-O-$ ,  $-NR^{45}-$  or  $-S-$ ,

$R^{44}$  and  $R^{45}$  representing, independently, a hydrogen atom or an alkyl, alkenyl, alkynyl, allenyl, allenylalkyl or cyanoalkyl radical;

$\Omega$  represents one of the  $NR^{46}R^{47}$  or  $OR^{48}$  radicals, in which:

$R^{46}$  and  $R^{47}$  represent, independently, a hydrogen atom or an alkyl, cycloalkyl, cycloalkylalkyl, alkenyl, alkynyl, allenyl, allenylalkyl, cyanoalkyl,  $-(CH_2)_g-Z^4R^{50}$ ,  $-(CH_2)_k-COR^{51}$ ,  $-(CH_2)_k-COOR^{51}$ ,  $-(CH_2)_k-CONHR^{51}$  or  $-SO_2R^{51}$

radical, or also a radical chosen from the aryl, aralkyl, aryloxyalkyl, arylcarbonyl, arylimino, aralkylcarbonyl, heteroaryl and in particular pyridinyl, pyridinylalkyl or pyridinylcarbonyl radicals, the aryl or heteroaryl group of said aryl, aralkyl, aryloxyalkyl, arylcarbonyl, arylimino, aralkylcarbonyl, heteroaryl, pyridinylalkyl or pyridinylcarbonyl radicals being optionally substituted by one or more of the substituents chosen independently from halogen, alkyl, alkoxy, hydroxy, nitro, cyano, cyanoalkyl, amino, alkylamino, dialkylamino,  $-(CH_2)_k-Z^5R^{50}$  and  $-(CH_2)_k-COR^{51}$  and  $-(CH_2)_k-COOR^{51}$ ,

$Z^4$  and  $Z^5$  representing a bond,  $-O-$ ,  $-NR^{52}-$  or  $-S-$ ,

or  $R^{46}$  and  $R^{47}$  taken together form with the nitrogen atom a non-aromatic heterocycle with 4 to 8 members, the elements of the chain being chosen from a group composed of  $-CH(R^{53})-$ ,  $-NR^{54}-$ ,  $-O-$ ,  $-S-$  and  $-CO-$ ,

$R^{50}$  and  $R^{52}$ , representing, independently each time that they occur, a hydrogen atom or an alkyl, alkenyl, alkynyl, allenyl, allenylalkyl or cyanoalkyl radical,

$R^{51}$  representing, independently each time that they occur, a hydrogen atom, one of the cycloalkyl or cycloalkylalkyl radicals in which the cycloalkyl radical contains 3 to 7 carbon atoms, a linear or branched alkyl radical containing 1 to 8 carbon atoms, an alkenyl, alkynyl, allenyl, allenylalkyl, cyanoalkyl, alkoxyalkyl or  $NR^{58}R^{59}$  radical, or also an aryl or aralkyl radical, said aryl or aralkyl radical being able to be substituted by one or more the substituents chosen independently from a halogen atom and an alkyl or alkoxy radical,

$R^{58}$  and  $R^{59}$  representing, independently, a hydrogen atom or an alkyl, alkenyl, alkynyl, allenyl, allenylalkyl or cyanoalkyl radical,

$R^{53}$  and  $R^{54}$  representing, independently, a hydrogen atom or a  $-(CH_2)_k-Z^7R^{60}$  or  $-(CH_2)_k-COR^{61}$  radical,

$Z^7$  representing a bond,  $-O-$ ,  $-NR^{62}-$  or  $-S-$ ,

$R^{60}$  and  $R^{62}$  representing, independently, a hydrogen atom or an alkyl, alkenyl, allenyl, allenylalkyl, alkynyl, cyanoalkyl, aryl, aralkyl, arylcarbonyl, aralkylcarbonyl, pyridinyl, pyridinylalkyl or pyridinylcarbonyl radical, the aryl or pyridinyl group of the aryl, aralkyl, arylcarbonyl, aralkylcarbonyl, pyridinyl, pyridinylalkyl or pyridinylcarbonyl radicals being optionally substituted by one or more substituents chosen from the group constituted by the alkyl, halogen, nitro, alkoxy, cyano, cyanoalkyl,  $-(CH_2)_k-Z^8R^{63}$  and  $-(CH_2)_k-COR^{64}$  radicals,

$R^{61}$  representing a hydrogen atom, an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl, cyanoalkyl, alkoxy or  $NR^{65}R^{66}$  radical,

$R^{65}$  and  $R^{66}$  representing, independently, a hydrogen atom or an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl or cyanoalkyl radical,

$Z^8$  representing a bond,  $-O-$ ,  $-NR^{67}-$  or  $-S-$ ,

$R^{63}$  and  $R^{67}$  representing, independently, a hydrogen atom, an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl or cyanoalkyl radical,

$R^{64}$  representing a hydrogen atom, an alkyl, allenylalkyl, alkenyl, alkenyl, alkynyl, cyanoalkyl, alkoxy or  $NR^{68}R^{69}$  radical,

5  $R^{68}$  and  $R^{69}$  representing, independently, a hydrogen atom or an alkyl, allenyl, allenylalkyl, alkenyl, alkynyl or cyanoalkyl radical,

and  $R^{48}$  represents a hydrogen atom or an alkyl, alkynyl or cyanoalkyl radical;

g and p, each time that they occur, being independently integers from 1 to 6, and k and n, each time that they occur, being independently integers from 0 to 6;

10 it being understood that when Het is such that the compound of general formula (III) corresponds to general sub-formula (III)<sub>1</sub>, then:

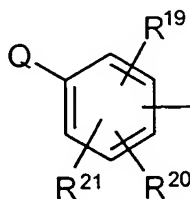
A represents the 4-hydroxy-2,3-di-tertbutyl-phenyl radical;

B,  $R^1$  and  $R^2$  all represent H; and finally

$\Omega$  represents OH;

15 it being also understood that one at least of the following characteristics must be present:

- when A represents a



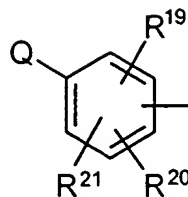
radical in which Q represents OH,

20  $\Omega$  does not represent an  $NR^{46}R^{47}$  radical in which  $R^{46}$  or  $R^{47}$  are chosen from a hydrogen atom and an alkyl radical or an  $NR^{46}R^{47}$  radical in which  $R^{46}$  or  $R^{47}$  represents an aminophenyl, nitrophenyl, aminophenylcarbonyl, nitrophenylcarbonyl, aminophenylalkyl or nitrophenylalkyl radical;

- when Het is oxazole or thiazole and  $\Omega$  represents an  $NR^{46}R^{47}$  radical in which  $R^{46}$  and  $R^{47}$  form together a piperazine radical the second nitrogen atom of which is substituted by an optionally substituted phenyl radical,

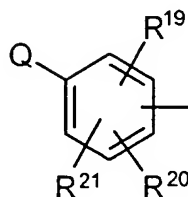
25

then A represents a



radical in which Q represents OH, and at least two of the  $R^{19}$ ,  $R^{20}$  and  $R^{21}$  radicals are not hydrogen atoms;

- A represents a



radical B represents a carbocyclic aryl radical optionally substituted 1 to 3 times by radicals chosen from the group composed of a halogen atom, a linear or branched alkyl or alkoxy radical containing 1 to 6 carbon atoms, a hydroxy, cyano or nitro radical, an amino, alkylamino or dialkylamino radical and a carbocyclic aryl radical,

02  
cont.



and one of  $R^1$  and  $R^2$  represents one of the optionally substituted arylalkyl or heteroarylalkyl radicals;

- A represents a cycloalkyl or cycloalkylalkyl radical;
- $\Omega$  represents  $NR^{46}R^{47}$  and one of  $R^{46}$  and  $R^{47}$  represents an alkenyl, allenyl, allenylalkyl, alkynyl, cyanoalkyl or hydroxyalkyl radical;
- one of  $R^1$  and  $R^2$  represents a cycloalkyl or cycloalkylalkyl radical;
- none of  $R^1$  and  $R^2$  represent H;

*OR*  
*com*  $n = 1$  and A represents a biphenyl, phenoxyphenyl, phenylthiophenyl, phenylcarbonylphenyl or phenylsulphonylphenyl radical;

- when Het is a thiazole cycle and  $\Omega$  represents the  $OR^{48}$  radical in which  $R^{48}$  is a cyanoalkyl radical, then the cyano group is not attached to the carbon atom immediately adjacent to the oxygen atom;

or a salt thereof.

Claim 20 (amended) A compound of claim 19 selected from the group consisting of:

- 2,6-di(tert-butyl)-4-(2-([methyl(2-propynyl)amino]methyl)-1,3-thiazol-4-yl)phenol;
- 2-([4-[3,5-di(tert-butyl)-4-hydroxyphenyl]-1,3-thiazol-2-yl]methyl)(methyl)amino]-acetonitrile;
- 5-([4-[3,5-di(tert-butyl)-4-hydroxyphenyl]-1,3-thiazol-2-yl]methyl)(methyl)amino]-pentanenitrile;
- 6-([4-[3,5-di(tert-butyl)-4-hydroxyphenyl]-1,3-thiazol-2-yl]methyl)(methyl)amino]-hexanenitrile;
- 2,6-di(tert-butyl)-4-(2-([(2-hydroxyethyl)(methyl)amino]methyl)-1,3-thiazol-4-yl)phenol;
- 4-(2-([benzyl(methyl)amino]methyl)-1,3-thiazol-4-yl)-2,6-di(tert-butyl)phenol;
- 2,6-di(tert-butyl)-4-(2-([4-(dimethylamino)(methyl)anilino]methyl)-1,3-thiazol-4-yl)phenol;
- benzyl {4-[3,5-di(tert-butyl)-4-hydroxyphenyl]-1,3-thiazol-2-yl} methylcarbamate;

- 4-[[4-(3,5-ditert-butyl-4-hydroxyphenyl)-1,3-thiazol-2-yl]methyl](methylamino)-butanenitrile;
- 2,6-ditert-butyl-4-(4-{2-[methyl(2-propynyl)amino]ethyl}-1,3-oxazol-2-yl)phenol;
- [{2-[2-(3,5-ditert-butyl-4-hydroxyphenyl)-1,3-oxazol-4-yl]ethyl}(methylamino)aceto-nitrile;
- 3-[[2-[2-(3,5-ditert-butyl-4-hydroxyphenyl)-1,3-oxazol-4-yl]ethyl](methylamino)-propanenitrile;
- 2,6-ditert-butyl-4-{4-[2-(1-piperazinyl)ethyl]-1,3-oxazol-2-yl}phenol;
- N-methyl[4-(10H-phenothiazin-2-yl)-1,3-thiazol-2-yl]methanamine;
- 1-methyl-1-(4-phenyl-1*H*-imidazol-2-yl)ethylamine;
- *N*-[2-(4-[1,1'-biphenyl]-4-yl)-1*H*-imidazol-2-yl]ethyl]-3,3-dimethylbutanamide;
- (*S*)-cyclohexyl(4-phenyl-1*H*-imidazol-2-yl)methylamine;
- *N*-[1-(4-cyclohexyl-1*H*-imidazol-2-yl)heptyl]cyclohexanamine;
- *N*-[(*S*)-cyclohexyl(4-cyclohexyl-1*H*-imidazol-2-yl)methyl]-cyclohexanamine;
- *N*-[(*S*)-cyclohexyl(4-phenyl-1*H*-imidazol-2-yl)methyl]-cyclobutanamine;
- *N*-[(*S*)-cyclohexyl[4-(3-fluoro-4-methoxyphenyl)-1*H*-imidazol-2-yl]methyl]-cyclobutanamine;
- *N*-[(*S*)-cyclohexyl{4-[4-(trifluoromethyl)phenyl]-1*H*-imidazol-2-yl}methyl]-cyclobutanamine;
- *N*-[(*S*)-cyclohexyl[4-(3-fluorophenyl)-1*H*-imidazol-2-yl]methyl]-cyclobutanamine;
- butyl 2-[4-(4-phenoxyphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
- *N*-[(*S*)-cyclohexyl{4-[4-(methylsulphanyl)phenyl]-1*H*-imidazol-2-yl}methyl]-cyclohexanamine;
- (1*R*)-1-(4,5-diphenyl-1*H*-imidazol-2-yl)-2-(1*H*-indol-3-yl)ethanamine;
- (1*R*)-*N*-benzyl-1-(4,5-diphenyl-1*H*-imidazol-2-yl)-2-(1*H*-indol-3-yl)ethanamine;
- *tert*-butyl 1-(4-phenyl-1*H*-imidazol-2-yl)cyclohexylcarbamate;
- 1-(4-phenyl-1*H*-imidazol-2-yl)cyclohexanamine;
- *N*-benzyl-1-(4-phenyl-1*H*-imidazol-2-yl)cyclohexanamine;
- *tert*-butyl 1-methyl-1-(4-phenyl-1*H*-imidazol-2-yl)ethylcarbamate;
- *tert*-butyl (1*R*)-2-cyclohexyl-1-(4-phenyl-1*H*-imidazol-2-yl)ethylcarbamate;

- (1R)-2-cyclohexyl-1-(4-phenyl-1*H*-imidazol-2-yl)ethanamine;  
 - (1R)-*N*-benzyl-2-cyclohexyl-1-(4-phenyl-1*H*-imidazol-2-yl)ethanamine;  
 - *N*-benzyl-2-(4-phenyl-1*H*-imidazol-2-yl)-2-propanamine;  
 - *tert*-butyl (1*S*)-1-(4,5-diphenyl-1*H*-imidazol-2-yl)-2-(1*H*-indol-3-yl)ethylcarbamate;  
 5 - 4-(2-((1*R*)-1-[(*tert*-butoxycarbonyl)amino]-2-cyclohexylethyl)-1*H*-imidazol-4-yl)-1,1'-biphenyl;  
 - (1*R*)-1-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)-2-cyclohexylethanamine;  
 - 2-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)ethanamine;  
 - *N*-benzyl-2-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)ethanamine;  
 - (1*R*)-*N*-benzyl-1-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)-2-cyclohexylethanamine;  
 - 4-(2-{3-[(*tert*-butoxycarbonyl)amino]propyl}-1*H*-imidazol-4-yl)-1,1'-biphenyl;  
 - 4-[2-(2-{[(*tert*-butylamino)carbothioyl]amino}ethyl)-1*H*-imidazol-4-yl]-1,1'-biphenyl;  
 - *tert*-butyl 6-(4-phenyl-1*H*-imidazol-2-yl)hexylcarbamate;  
 - *N*-[2-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)ethyl]-1-hexanamine;  
 15 - 4-[2-(2-{[(*tert*-butylamino)carbonyl]amino}ethyl)-1*H*-imidazol-4-yl]-1,1'-biphenyl;  
 - *N*-benzyl-3-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)-1-propanamine;  
 - 3-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)-1-propanamine;  
 - 6-(4-phenyl-1*H*-imidazol-2-yl)hexylamine;  
 - 4-[2-(2-{[(neopentyloxy)carbonyl]amino}ethyl)-1*H*-imidazol-4-yl]-1,1'-biphenyl;  
 20 - *N*-[2-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)ethyl]pentanamide;  
 - butyl 2-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)ethylcarbamate;  
 - 4-[2-(2-{[(benzyloxy)carbonyl]amino}ethyl)-1*H*-imidazol-4-yl]-1,1'-biphenyl;  
 - *N*-[2-(4-[1,1'-biphenyl]-4-yl-1*H*-imidazol-2-yl)ethyl]-1-butanedisulphonamide;  
 - 4-[2-(2-{[butylamino]carbonyl]amino}ethyl)-1*H*-imidazol-4-yl]-1,1'-biphenyl;  
 25 - 4-(2-{1-[(butoxycarbonyl)amino]-1-methylethyl}-1*H*-imidazol-4-yl)-1,1'-biphenyl;  
 - 4-(2-{2-[(isobutoxycarbonyl)amino]ethyl}-1*H*-imidazol-4-yl)-1,1'-biphenyl;  
 - *N*-[(*S*)-cyclohexyl(4-phenyl-1*H*-imidazol-2-yl)methyl]-cyclohexanamine;  
 - 4-(2-{2-[(methoxycarbonyl)amino]ethyl}-1*H*-imidazol-4-yl)-1,1'-biphenyl;  
 - 4-(2-{2-[(propoxycarbonyl)amino]ethyl}-1*H*-imidazol-4-yl)-1,1'-biphenyl;

- 4-(2-{2-[(ethoxycarbonyl)amino]ethyl}-1*H*-imidazol-4-yl)-1,1'-biphenyl;  
 - 4-[2-(1-{[(benzyloxy)carbonyl]amino}-1-methylethyl)-1*H*-imidazol-4-yl]-1,1'-biphenyl;  
 - *N*-[2-(4-[1,1'-biphenyl]-4-yl)-1*H*-imidazol-2-yl]ethyl]cyclohexanamine;  
 5 - butyl 2-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]ethylcarbamate;  
 - hexyl 2-(4-[1,1'-biphenyl]-4-yl)-1*H*-imidazol-2-yl]ethylcarbamate;  
 - (*S*)-cyclohexyl[4-(3,4-difluorophenyl)-1*H*-imidazol-2-yl]-methanamine;  
 - (*S*)-cyclohexyl[4-(3-fluoro-4-methoxyphenyl)-1*H*-imidazol-2-yl]-methanamine;  
 - (*R,S*)-cyclopropyl[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]-methanamine;  
 - *N*-{(*S*)-cyclohexyl[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]methyl}-2-propanamine;  
 - *N*-{(*S*)-cyclohexyl[4-(3,4-difluorophenyl)-1*H*-imidazol-2-yl]methyl}cyclobutanamine;  
 - *N*-{(*S*)-cyclohexyl[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]methyl}cyclohexanamine;  
 - *N*-{(*S*)-cyclohexyl[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]methyl}cyclobutanamine;  
 - (*S*)-cyclohexyl-*N*-(cyclohexylmethyl)(4-phenyl)-1*H*-imidazol-2-yl]methanamine;  
 15 - (*R,S*)-*N*-{cyclopropyl[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]methyl}cyclohexanamine;  
 - (*S*)-cyclohexyl-*N*-(cyclopropylmethyl)(4-phenyl)-1*H*-imidazol-2-yl]methanamine;  
 - butyl 2-[4-(4-cyclohexylphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;  
 - 4-[2-(2-{[(cyclohexyloxy)carbonyl]amino}ethyl)-1*H*-imidazol-4-yl]-1,1'-biphenyl;  
 - *N*-{(*S*)-cyclohexyl[4-[4-(trifluoromethoxy)phenyl]-1*H*-imidazol-2-yl]methyl}-  
 20 cyclobutanamine;  
 - 4-[2-(2-{[(cyclopentyloxy)carbonyl]amino}ethyl)-1*H*-imidazol-4-yl]-1,1'-biphenyl;  
 - (*S*)-cyclohexyl-*N*-(cyclopropylmethyl)[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]-methanamine;  
 - (*R,S*)-*N*-{cyclopentyl[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]methyl}cyclobutanamine;  
 25 - *N*-{(*S*)-cyclohexyl[4-(4-cyclohexylphenyl)-1*H*-imidazol-2-yl]methyl}cyclobutanamine;  
 - *N*-{(*S*)-cyclohexyl[4-[4-(trifluoromethyl)phenyl]-1*H*-imidazol-2-yl]methyl}-cyclobutanamine;  
 - butyl 2-[4-(2,3-dihydro-1,4-benzodioxin-6-yl)-1*H*-imidazol-2-yl]ethylcarbamate;

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 cont

- *N*-{(S)-cyclohexyl[4-(4-fluorophenyl)-1-methyl-1*H*-imidazol-2-yl)methyl]-cyclohexanamine;
- cyclohexylmethyl 2-(4-[1,1'-biphenyl]-4-yl)-1*H*-imidazol-2-ylethylcarbamate;
- 4-bromo-4'-(2-{2-[(butoxycarbonyl)amino]ethyl}-1*H*-imidazol-4-yl)-1,1'-biphenyl;
- 5 - *N*-{(S)-cyclohexyl[4-(4-methylsulphonylphenyl)-1*H*-imidazol-2-yl)methyl]-cyclohexanamine;
- *N*-{(S)-cyclohexyl[4-(4-fluorophenyl)-1*H*-imidazol-2-yl)methyl]cyclohexanamine;
- *N*-[(*R*)-{4-[3,5-bis(trifluoromethyl)phenyl]-1*H*-imidazol-2-yl}(cyclohexyl)methyl]-cyclohexanamine;
- 10 - cyclobutylmethyl 2-(4-[1,1'-biphenyl]-4-yl)-1*H*-imidazol-2-ylethylcarbamate;
- cyclobutylmethyl 2-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
- *N*-{(S)-cyclohexyl[4-(3,4-difluorophenyl)-1*H*-imidazol-2-yl)methyl]cyclohexanamine;
- 4-[2-(2-{[(2-methoxyethoxy)carbonyl]amino}ethyl)-1*H*-imidazol-4-yl]-1,1'-biphenyl;
- 15 - (S)-1-[4-(3-bromophenyl)-1*H*-imidazol-2-yl]-1-cyclohexyl-*N*-(cyclohexylmethyl)-methanamine;
- 4-(2-{(S)-cyclohexyl[(cyclohexylmethyl)amino]methyl}-1*H*-imidazol-4-yl)-*N,N*-diethylaniline;
- 2,6-di-*tert*-butyl-4-(2-{(S)-cyclohexyl[(cyclohexylmethyl)amino]methyl}-1*H*-imidazol-4-yl)phenol;
- 20 - 4-{2-{(S)-cyclohexyl(cyclohexylamino)methyl}-1*H*-imidazol-4-yl}-*N,N*-diethylaniline;
- (S)-1-cyclohexyl-*N*-(cyclohexylmethyl)-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]methanamine;
- 25 - butyl 2-[4-(4-*tert*-butylphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
- (S)-1-cyclohexyl-*N*-(cyclohexylmethyl)-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]methanamine;
- *N*-((S)-cyclohexyl{4-[4-(trifluoromethyl)phenyl]-1*H*-imidazol-2-yl)methyl}cyclohexanamine;
- 30 - *N*-[(S)-[4-(3-bromophenyl)-1*H*-imidazol-2-yl](cyclohexyl)methyl]cyclohexanamine;
- butyl 2-[4-(4-bromophenyl)-1*H*-imidazol-2-yl]ethylcarbamate;

- butyl 2-{4-[4-(trifluoromethyl)phenyl]-1*H*-imidazol-2-yl}ethylcarbamate;
- *N*-{(S)-cyclohexyl[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]methyl}cycloheptanamine;
- cyclohexylmethyl 2-[4-(4-*tert*-butylphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
- cyclohexylmethyl 2-[4-(4'-bromo-1,1'-biphenyl-4-yl)-1*H*-imidazol-2-yl]ethylcarbamate;
- 5 - *N*-((S)-cyclohexyl{4-[3-(trifluoromethyl)phenyl]-1*H*-imidazol-2-yl]methyl)-cyclohexanamine;
- (S)-1-cyclohexyl-*N*-(cyclohexylmethyl)-1-{4-[3-(trifluoromethyl)phenyl]-1*H*-imidazol-2-yl}methanamine;
- 10 - (S)-1-[4-(3-bromophenyl)-1*H*-imidazol-2-yl]-1-cyclohexyl-*N*-(cyclohexylmethyl)-methanamine;
- (S)-1-cyclohexyl-*N*-(cyclohexylmethyl)-1-{4-[3-(trifluoromethyl)phenyl]-1*H*-imidazol-2-yl}methanamine;
- (1*R*)-2-cyclohexyl-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]ethanamine;
- 15 - *N*-{(1*R*)-2-cyclohexyl-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]ethyl}-cyclohexanamine;
- 4-{2-[(S)-amino(cyclohexyl)methyl]-1*H*-imidazol-4-yl}-*N,N*-diethylaniline;
- (S)-1-cyclohexyl-1-[4-(3-fluorophenyl)-1*H*-imidazol-2-yl]methanamine;
- (S)-1-cyclohexyl-*N*-(cyclohexylmethyl)-1-[4-(3-fluorophenyl)-1*H*-imidazol-2-yl]methanamine;
- 20 - butyl 2-[4-(4-pyrrolidin-1-ylphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;
- *N*-{(S)-cyclohexyl[4-(3-fluorophenyl)-1*H*-imidazol-2-yl]methyl}cyclohexanamine;
- *N*-{(1*R*)-2-cyclohexyl-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]ethyl}-cyclohexanamine;
- 25 - 4-{2-[(S)-amino(cyclohexyl)methyl]-1*H*-imidazol-4-yl}-2,6-*di**tert*-butylphenol;
- (R)-1-cyclohexyl-*N*-(cyclohexylmethyl)-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]methanamine;
- 2,6-*di**tert*-butyl-4-[4-(hydroxymethyl)-1,3-thiazol-2-yl]phenol;
- *meta*-[4-(2,3-dihydro-1*H*-indol-6-yl)-1,3-thiazol-2-yl]-*N*-methylmethanamine;
- 30 - 2,5,7,8-tetramethyl-2-{2-[(methylamino)methyl]-1,3-thiazol-4-yl}-6-chromanol;
- *N*-{[4-(9*H*-carbazol-2-yl)-1,3-thiazol-2-yl]methyl}-*N*-methylaniline;

- 3,5-ditert-butyl-4'-{2-[(methylamino)methyl]-1,3-thiazol-4-yl}-1,1'-biphenyl-4-ol;  
 - (1*R*)-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]-2-phenylethanamine;  
 - cyclohexylmethyl 2-{4-[4-(diethylamino)phenyl]-1*H*-imidazol-2-yl}ethylcarbamate;  
 - cyclohexylmethyl 2-[4-(4-pyrrolidin-1-ylphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;  
 5 - (1*R*)-*N*-(cyclohexylmethyl)-1-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]-  
 2-phenylethanamine;  
 - cyclohexylmethyl 2-[4-(3,5-ditert-butyl-4-hydroxyphenyl)-1*H*-imidazol-2-  
 yl]ethylcarbamate;  
 - butyl 2-[4-(3,5-ditert-butyl-4-hydroxyphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;  
 10 - 2,6-dimethoxy-4-{2-[(methylamino)methyl]-1,3-thiazol-4-yl}phenol;  
 - 2,6-diisopropyl-4-{2-[(methylamino)methyl]-1,3-thiazol-4-yl}phenol;  
 - 4-{2-[(methylamino)methyl]-1,3-thiazol-4-yl}phenol;  
 - *N*-{[4-(4-anilinophenyl)-1,3-thiazol-2-yl]methyl}-*N*-methylamine;  
 - 2,6-ditert-butyl-4-{2-[(dimethylamino)methyl]-1,3-thiazol-4-yl}phenol;  
 15 - cyclobutylmethyl 2-[4-(4'-bromo-1,1'-biphenyl-4-yl)-1*H*-imidazol-2-  
 yl]ethylcarbamate;  
 - isobutyl 2-[4-(4'-bromo-1,1'-biphenyl-4-yl)-1*H*-imidazol-2-yl]ethylcarbamate;  
 - isobutyl 2-[4-(4-tert-butylphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;  
 - 2-[4-(4-tert-butylphenyl)-1*H*-imidazol-2-yl]ethylcarbamate cyclobutylmethyle;  
 20 - cyclohexyl 2-[4-(4'-bromo-1,1'-biphenyl-4-yl)-1*H*-imidazol-2-yl]ethylcarbamate;  
 - cyclohexyl 2-[4-(4-tert-butylphenyl)-1*H*-imidazol-2-yl]ethylcarbamate;  
 - 3-[4-(4-fluorophenyl)-1*H*-imidazol-2-yl]propan-1-amine;  
 - 4,4,4-trifluorobutyl 2-[4-(4'-bromo-1,1'-biphenyl-4-yl)-1*H*-imidazol-2-  
 yl]ethylcarbamate;  
 25 - 4,4,4-trifluorobutyl 2-[4-(1,1'-biphenyl-4-yl)-1*H*-imidazol-2-yl]ethylcarbamate;  
 - 2,6-ditert-butyl-4-{4-[(methylamino)methyl]-1,3-thiazol-2-yl}phenol;  
 - 2,6-ditert-butyl-4-[2-(piperidin-1-ylmethyl)-1,3-thiazol-4-yl]phenol;  
 - 2,6-ditert-butyl-4-{2-[(4-methylpiperazin-1-yl)methyl]-1,3-thiazol-4-yl}phenol;  
 - 2,6-ditert-butyl-4-[2-(piperazin-1-ylmethyl)-1,3-thiazol-4-yl]phenol;